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MICHELL'S 1919 SEEDS



MICHELL'S "DOLLAR VEGETABLE GARDEN"

CONTAINS a liberal sized packet of each variety noted below. The satisfaction of growing one's own vegetables, to pick them fresh as wanted, can only be enjoyed by actual experience. Make a garden this year.

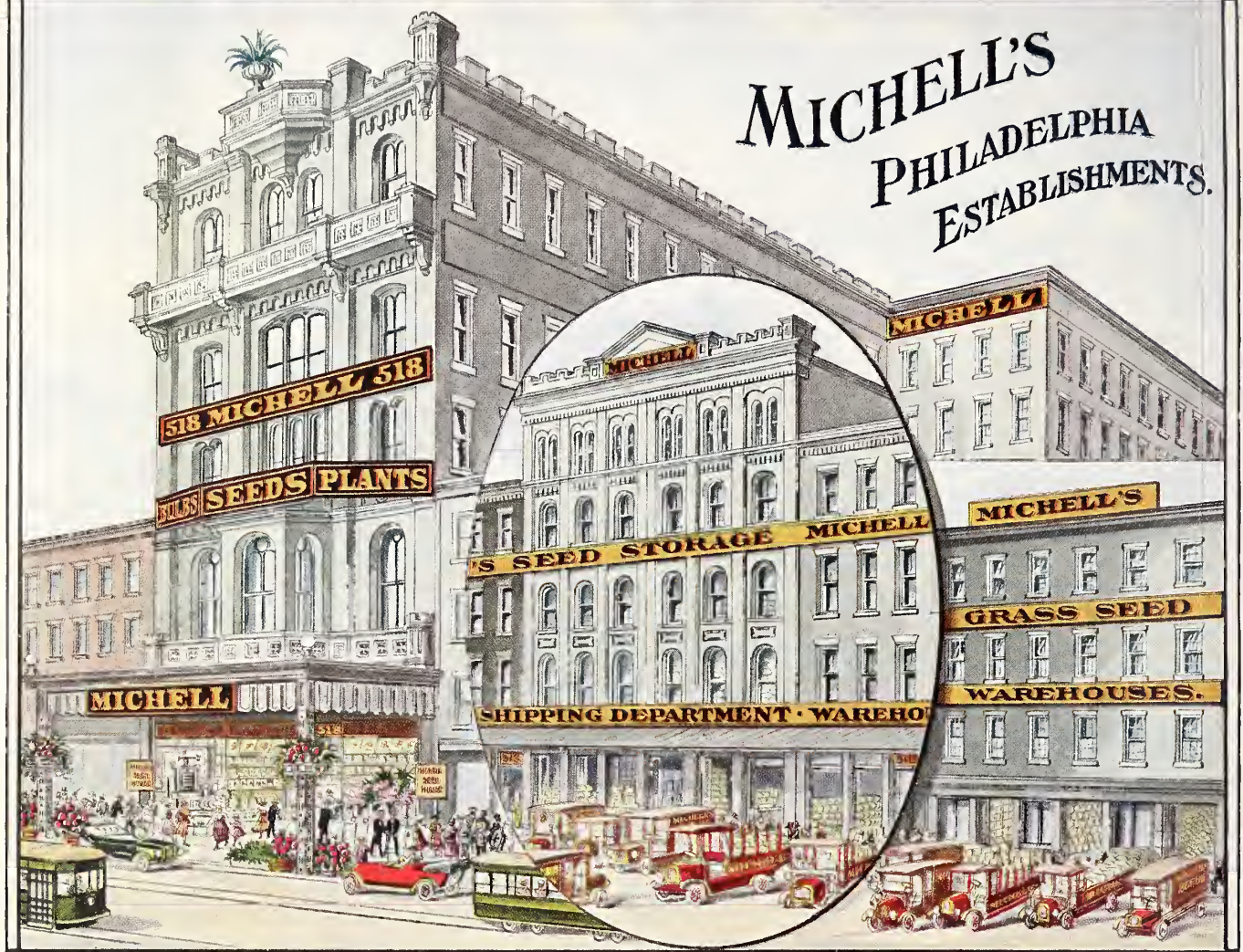
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|---|-----------------------------------|
| 1. Swiss Chard, Giant Lucullus. | 7. Lettuce, Michell's Allright. |
| 2. Peas, Michell's Harvester. | 8. Beet, Michell's Winter Keeper. |
| 3. Onion, Winter Keeper. | 9. Radish, Cardinal Globe. |
| 4. Corn, Golden Bantam. | 10. Carrot, Orange Beauty. |
| 5. Beans, Fordhook Bush Lima. | 11. Tomato, Crackerjack. |
| 6. Beans, Michell's Improved Strain Stringless Green Pod. | 12. Beans, Boston Navy. |

The above collection sent post paid anywhere in the United States (safe arrival guaranteed) for ONE DOLLAR. 6 collections for \$5.50. 12 collections for \$10.00. 25 collections for \$20.00. Mailed to one or more addresses.

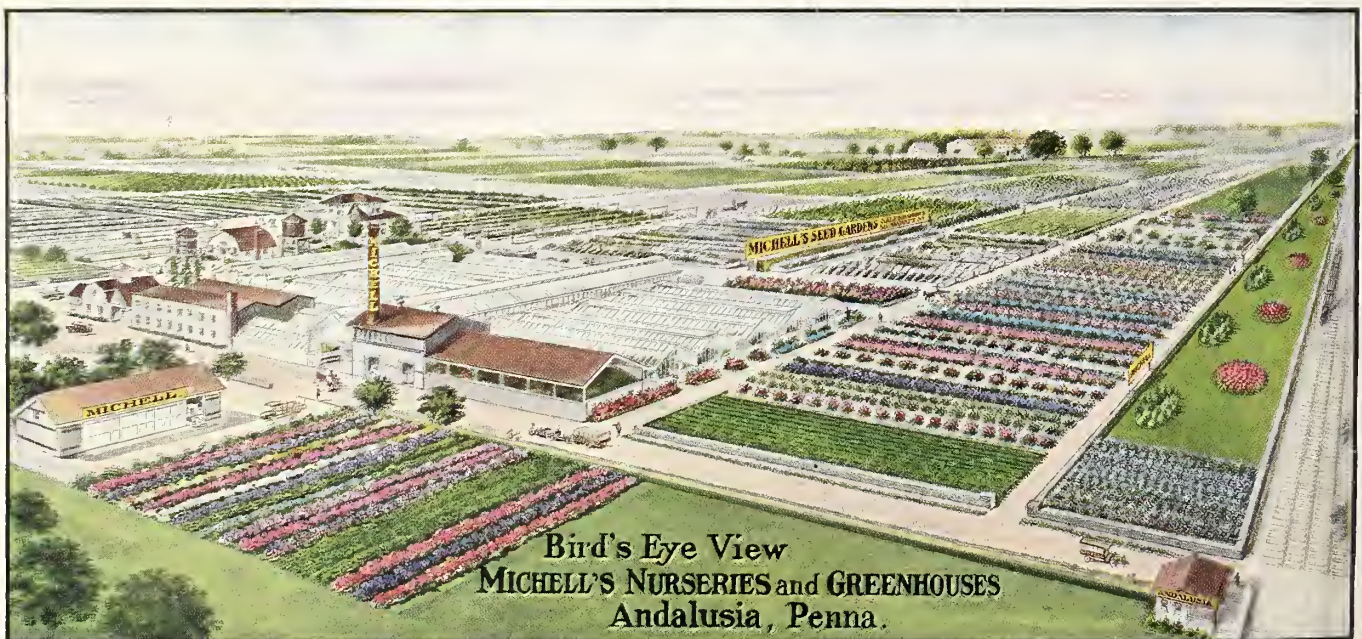
See Page 4 for description of this and other Collections of Garden Seeds

HENRY F. MICHELL CO.
518 MARKET ST. PHILA.

MICHELL'S PHILADELPHIA ESTABLISHMENTS.



The loyal patronage of our trade, coupled with our efforts to please and render service, has made our organization possible. A staff of about 125 employees at our Philadelphia Store and Salesrooms housed in a building 5 stories high, 23 feet wide, at 518 Market Street, 47 feet wide on Ludlow Street 180 feet deep. Our shipping department and part of our warehouses front 67 feet on Ludlow Street. At 19-21 23 Bank Street is located our 4-story warehouse, devoted almost exclusively to the storage of grass seed.



Bird's Eye View
MICHELL'S NURSERIES and GREENHOUSES
Andalusia, Penna.

Our nurseries at Andalusia Bucks Co., Pa., comprise about 50 acres of highly cultivated land, 16 modern greenhouses and about 1500 glass covered sash frames, with a staff varying from 30 to 45 employees. Our specialties are: Pot-Grown Roses, Perennials, etc.

ORDER NO.

Please DO NOT Write HERE
Don't Ship unless numbered above
and approved as below
APPROVED FOR FILING

Street _____ P. O. Box _____

Freight or
Express Address

County _____ State _____

Charge to _____ Charge Address _____
Please DO NOT Write In Space Above
PRINTED BY _____

SEND BY	MARK X Over the word designating method by which shipment is to be made	FREIGHT	EXPRESS	BOAT	PARCEL POST	BAGGAGE MASTER	LOCAL EXPRESS
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[illegible][illegible][illegible][illegible]

Order No.	Shipped Via and Date	IF OUT OF VARIETY ORDERED HAVE WE YOUR PERMISSION TO SUBSTITUTE EQUAL OR BETTER IN NEAREST WE CAN SUPPLY?	Answer

Shipped Via and Date:

[illegible]

ORDER NO.

Please DO NOT Write HERE
Don't Ship unless numbered above
and approved as below
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Please DO NOT Write in Space Above

PRICED BY

Answer

AMT. FWD.

22,000 Blue, 125,000 Pink—3-18-McM.

[illegible]

DIRECTIONS FOR ORDERING—SUGGESTIONS—INFORMATION 1

EMPLOYMENT
DEPARTMENT

Frequently we have on our register the names of competent Gardeners, Superintendents, Greens-keepers, Coachmen, Farmers and Poultrymen who desire positions. We are always pleased to put them in communication with parties desiring services of such men. We are careful to recommend only reliable persons, and there is absolutely no charge for this service to employer or the one employed. Frederick J. Michell, Jr., is in charge of this department.

BUSINESS TERMS

We Especially Invite Charge Accounts. A charge account is more convenient than to remit for each order at the time it is sent us; you pay no more for your goods by reason of this accommodation. As to our responsibility, we refer you to Dun's or Bradstreet's Mercantile Agency or any bank or trust company.

When sending your first charge order, if possible, send us the name and address of some one with whom you already have a charge account. This saves time.

REGARDS C. O. D. SHIPMENTS

Goods can be sent C. O. D. (with the exception of perishable items, which include plants and cold-storage bulbs; these cannot be sent C. O. D.). No C. O. D. shipments for any kind of goods can be made by express or freight out of town unless a partial remittance accompanies the order. No C. O. D. orders delivered where the amount is less than 50c., except in the following zone in Philadelphia: Market Street Ferry, East, to Sixteenth Street, West; Pine Street, South, to Vine Street, North. C. O. D. orders outside of this zone in our delivery limits must amount to \$1.00 or more.

SHIPPING INSTRUCTIONS

Always state by what method you want goods forwarded, otherwise we will ship according to our best judgment.

PLEASE ORDER EARLY

We shall greatly appreciate it if our customers will adopt our suggestion to send us their spring orders for seeds, plants and bulbs during January and February. Shipment need not be made until you want the goods.

DELIVERY SERVICE

To points where baggage-master or package service is in operation, we can ship all orders, which can be packed in one parcel or piece, not exceeding 50 pounds in weight, free of transportation charges at prices quoted in this catalog. Fertilizers in more than 25-lb. lots or bulky packages are not accepted by baggage-master service. Our automobile delivery also covers many sections of Philadelphia at convenient intervals.

PACKING CHARGES

No charge is made for boxes, packing or bags, except for two-bushel seamless sacks, 75c. each, which are returnable for credit at the price charged.

PARCEL POST SHIPMENT AT OUR EXPENSE AS
FOLLOWS

We pay postage charges on all orders for vegetable and flower seeds, provided the order calls for packets, ounces, quarter-pounds and pounds (beans, corn, peas and mixed grass seeds, are not included), nor such other seeds where mention is made in catalog. If these seeds are wanted by mail, remit for postage at the rates quoted in table opposite.

OTHER PARCEL POST INFORMATION

In compiling this Catalog we have endeavored to give the shipping weights on most sundries, where their nature, size and weight permits their being sent by parcel post. Liquids and poisons are excluded from the mails. Where plants and bulbs are of a nature and weight, to permit parcel post shipment, allow for postage in the amount of 15 per cent. of their value. If you remit more than is necessary for postage we will refund the remainder to you.

HENRY F. MICHELL CO.

HENRY F. MICHELL, Pres.

FRED'K J. MICHELL, Vice-Pres.

Salesrooms, Offices } 518 MARKET STREET, PHILADELPHIA
Order Departments }Warehouses { 509-511-513 Ludlow Street, Philadelphia, Pa.
19-21-23 S. Bank Street

Nurseries and Greenhouses, Andalusia, Pa.

Please address all communications and orders to

518 MARKET STREET, PHILA.

TELEPHONE SERVICE

BELL SYSTEM—{ 4220 4222 4224
Lombard { 4221 4223 4225KEYSTONE SYSTEM—Main { 3600
3601

PARCEL POST ZONES AND RATES

Weight in Pounds	Local	1st Up to 50 miles from Phila.	2nd 50 to 150 miles from Phila.	3rd 150 to 300 miles from Phila.	4th 300 to 600 miles from Phila.	5th 600 to 1000 miles from Phila.	6th 1000 to 1400 miles from Phila.	7th 1400 to 1800 miles from Phila.	8th Over 1800 miles from Phila.
1	\$0.05	\$0.05	\$0.05	\$0.06	\$0.07	\$0.08	\$0.09	\$0.11	\$0.12
2	.06	.06	.06	.08	.11	.14	.17	.21	.24
3	.06	.07	.07	.10	.15	.20	.25	.31	.36
4	.07	.08	.08	.12	.19	.26	.33	.41	.48
5	.07	.09	.09	.14	.23	.32	.41	.51	.60
6	.08	.10	.10	.16	.27	.38	.49	.61	.72
7	.08	.11	.11	.18	.31	.44	.57	.71	.84
8	.09	.12	.12	.20	.35	.50	.65	.81	.96
9	.09	.13	.13	.22	.39	.56	.73	.91	1.08
10	.10	.14	.14	.24	.43	.62	.81	1.01	1.20
11	.10	.15	.15	.26	.47	.68	.89	1.11	1.32
12	.11	.16	.16	.28	.51	.74	.97	1.21	1.44
13	.11	.17	.17	.30	.55	.80	1.05	1.31	1.56
14	.12	.18	.18	.32	.59	.86	1.13	1.41	1.68
15	.12	.19	.19	.34	.63	.92	1.21	1.51	1.80
16	.13	.20	.20	.36	.67	.98	1.29	1.61	1.92
17	.13	.21	.21	.38	.71	1.04	1.37	1.71	2.04
18	.14	.22	.22	.40	.75	1.10	1.45	1.81	2.16
19	.14	.23	.23	.42	.79	1.16	1.53	1.91	2.28
20	.15	.24	.24	.44	.83	1.22	1.61	2.01	2.40
21	.15	.25	.25	.46	.87	1.28	1.69	2.11	2.52
22	.16	.26	.26	.48	.91	1.34	1.77	2.21	2.64
23	.16	.27	.27	.50	.95	1.40	1.85	2.31	2.76
24	.17	.28	.28	.52	.99	1.46	1.93	2.41	2.88
25	.17	.29	.29	.54	1.03	1.52	2.01	2.51	3.00
26	.18	.30	.30	.56	1.07	1.58	2.09	2.61	3.12
27	.18	.31	.31	.58	1.11	1.64	2.17	2.71	3.24
28	.19	.32	.32	.60	1.15	1.70	2.25	2.81	3.36
29	.19	.33	.33	.62	1.19	1.76	2.33	2.91	3.48
30	.20	.34	.34	.64	1.23	1.82	2.41	3.01	3.60
31	.20	.35	.35	.66	1.27	1.88	2.49	3.11	3.72
32	.21	.36	.36	.68	1.31	1.94	2.57	3.21	3.84
33	.21	.37	.37	.70	1.35	2.00	2.65	3.31	3.96
34	.22	.38	.38	.72	1.39	2.06	2.73	3.41	4.08
35	.22	.39	.39	.74	1.43	2.12	2.81	3.51	4.20
36	.23	.40	.40	.76	1.47	2.18	2.89	3.61	4.32
37	.23	.41	.41	.78	1.51	2.24	2.97	3.71	4.44
38	.24	.42	.42	.80	1.55	2.30	3.05	3.81	4.56
39	.24	.43	.43	.82	1.59	2.36	3.13	3.91	4.68
40	.25	.44	.44	.84	1.63	2.42	3.21	4.01	4.80
41	.25	.45	.45	.86	1.67	2.48	3.29	4.11	4.92
42	.26	.46	.46	.88	1.71	2.54	3.37	4.21	5.04
43	.26	.47	.47	.90	1.75	2.60	3.45	4.31	5.16
44	.27	.48	.48	.92	1.79	2.66	3.53	4.41	5.28
45	.27	.49	.49	.94	1.83	2.72	3.61	4.51	5.40
46	.28	.50	.50	.96	1.87	2.78	3.69	4.61	5.52
47	.28	.51	.51	.98	1.91	2.84	3.77	4.71	5.64
48	.29	.52	.52	1.00	1.95	2.90	3.85	4.81	5.76
49	.29	.53	.53	1.02	1.99	2.96	3.93	4.91	5.88
50	.30	.54	.54	1.04	2.03	3.02	4.01	5.01	6.00
51	.30	.55	.55	1.06					
52	.31	.56	.56	1.08					
53	.31	.57	.57	1.10					
54	.32	.58	.58	1.12					
55	.32	.59	.59	1.14					
56	.33	.60	.60	1.16					
57	.33	.61	.61	1.18					
58	.34	.62	.62	1.20					
59	.34	.63	.63	1.22					
60	.35	.64	.64	1.24					
61	.35	.65	.65	1.26					
62	.36	.66	.66	1.28					
63	.36	.67	.67	1.30					
64	.37	.68	.68	1.32					
65	.37	.69	.69	1.34					
66	.38	.70	.70	1.36					
67	.38	.71	.71	1.38					
68	.39	.72	.72	1.40					
69	.39	.73	.73	1.42					
70	.40	.74	.74	1.44					

PARCEL POST WEIGHT LIMIT
(NOTE EXTENSION)

The weight limit within the Local, 1st, 2nd and 3rd Zones is seventy (70) pounds, within the other Zones the weight limit is fifty (50) pounds and the size limit eighty-four (84) inches for combined length and largest girth. Poisons and liquids are not mailable.

Packages weighing 8 oz. or less can be forwarded anywhere in the U. S. at a cost of one cent for each two ounces, or fraction thereof.

On shipments weighing 20 pounds or more it is usually cheaper to ship by express.

IMPORTANT NOTICE—PLEASE READ

Henry F. Michell Company endeavors to send out only the very best quality of Seeds, Bulbs and Plants, but cannot guarantee results or crops. If customers do not accept goods on the above conditions, they can be returned to us within ten days.

Prices are subject to any advances over present prevailing freight rates, customs duties or war tax, and all deliveries are subject to delay, restrictions, embargoes, crop shortages and all conditions beyond our control. All quotations are made and all orders are booked subject to the above conditions.

Merchandise to be credited must be returned within 5 days in good order free of expense to us.

INDEX TO CONTENTS OF MICHELL'S 1919 CATALOG

U. S. FOOD ADMINISTRATION LICENSE No. G 36797

VEGETABLE SEEDS		VEGETABLE SEEDS		FLOWER SEEDS		FLOWER SEEDS		FLOWER SEEDS	
	Page		Page		Page		Page		Page
Anise	9, 37	Sweet Basil	34	Bartonia	62	Foxglove (Digitalis)	69	Myosotis	76
Artichoke	9, 38	Sweet Marjoram	34, 37	Beans (Runner)	62	Fuchsia	70	Nasturtium	77
Asparagus	9, 38	Sweet Potatoes	32, 38	Begonia	62	Gaillardia	70	Nemesia	76
Basil (Sweet)	13, 37	Swiss Chard	35	Bellflower (Campanula)	63	Gall Plant (Dictamnus)	69	Nicotiana	76
Beans	6, 10 to 12	Tarragon	23, 35, 38	Bellflower (Platycodon)	80	Gentiana	71	Nierembergia	76
Beet	6, 13	Thyme	35, 37	Bellis (Daisy)	68	Geranium	71	Nigella	78
Borage	13, 37	Tobacco	35	Blanket Flower (Gaillardia)	70	Gerbera	71	Oenothera	73
Broccoli	13	Turnip	37	Bocconia	62	Geum	71	Ornamental Grasses	71
Brussels Sprouts	13, 38	Vegetable Plants	38	Botanical and Common names of Flowers	50	Globe Amaranth (Gomphrena)	71	Pansy	73
Cabbage	7, 14, 15, 38			Brachycome	62	Gloxinia	71	Papaver (Poppy)	81
Cantaloupe	8, 25			Briza (see Grasses)	71	Godetia	71	Paris Daisy (Chrysanthemum)	65
Caraway	15			Bromus (see Grasses)	71	Golden Rod	71	Passiflora	80
Carrot	16			Browallia	62	Gomphrena	71	Pelargonium (Geranium)	71
Carnip	15, 37			Butterfly Flower (Schizanthus)	55, 84	Gourd	71	Pennisetum (see Grasses)	71
Cauliflower	15, 38			Calceolaria	62	Grasses, Ornamental	71	Penstemon	80
Celeriac	17			Calendula	63	Grevillea	71	Perilla	80
Celery	7, 17, 38			Californica Poppy (Eschscholtzia)	70	Gyneryum (see Grasses)	71	Periwinkle (Vinca)	83
Chervil	16, 23			Calliopsis	63	Gypsophila	54, 71	Petunia	54, 55, 79
Chicory	16			Campanula	63	Helenium	72	Phlox	80
Chives	16, 37, 38			Canary Bird Flower	63	Helianthus (Sunflower)	55, 85	Physostegia	80
Citron	17, 26			Candytuft	64	Helichrysum	72	Pinks (Carnation)	64
Collards	16			Canna	64	Heliosis	72	Pinks (Dianthus)	69
Collections of Vegetable Seeds	5			Canterbury Bell (Campanula)	64	Hellotrope	72	Platycodon	80
Coriander	16, 37			Cardinal Climber	52, 64	Hesperis (Sweet Rocket)	88	Polyanthus	80
Corn Salad	19			Carnation	64	Heuchera	72	Poppy	81
Corn (Sugar)	18, 19			Castor Beans (Ricinus)	64	Hibiscus	72	Portulaca	82
Corn (Field)	39			Celosa	54, 64	Hollyhock	72	Pot Marigold (Calendula)	63
Corn (Pop)	19			Centaurea	65	Honesty	72	Primula	55, 82
Cress (Water)	20			Cerastium	65	Hop Vine (Humulus)	72	Pueraria	82
Cress (Garden)	20			Chinese Woolflower	53, 89	Hordeum (see Grasses)	71	Pyrethrum	82
Cucumber	20			Chrysanthemum	65	Humulus	72	Rainbow Corn	67
Dandelion	21			Cineraria	66	Hunemannia	72	Reseda (Mignonette)	75
Dill	21, 37			Clarkia	66	Hyacinth Bean (Dolichos)	70	Rhodanthe	83
Egg Plant	21, 38			Clematis	66	Iberis (Candytuft)	64	Ricinus	83
Endive	21			Cleome	66	Ice Plant (Mesembryanthemum)	75	Rock Cress (Arabis)	58
Fennel	21, 37			Cobaea	66	Impatiens	73	Rose of Heaven (Agrostemma)	56
Garlic	21, 27			Cockscorn (Celosia)	54, 64	Incarvillea	73	Rudbeckia	83
Gumbo	27			Coix (see Grasses)	71	Ipomoea	73	Salpiglossis	83
Herbs (Seed)	37			Coleus	66	Iris	73	Salvia	55, 83
Hop Vine	21, 38			Collections Flower Seeds	opp. 50	Japanese Hop (Humulus)	72	Scabiosa	84
Horse Radish	21, 38			Columbine (Aquilegia)	58	Japanese Ivy (Ampelopsis)	57	Scarlet Runner Bean	62
Kale	24			Cone Flower (Rudbeckia)	83	Jerusalem Cherry (Solanum)	84	Scarlet Sage (Salvia)	55, 83
Kohl Rabi	24			Convolvulus	53, 66	Job's Tears (Coix)	71	Schizanthus	55, 84
Lavender	24, 37, 38			Coreopsis (Calliopsis)	63	Kenilworth Ivy	73	Sensitive Plant	84
Leek	24			Cornflower (Centaurea)	65	Kochia	73	Shamrock	84
Lettuce	22, 23, 38			Cornflower Aster (Stokesia)	84	Kudzu Vine (Pueraria)	82	Shasta Daisy (see Chrysanthemum)	65
Martynia	24			Corn, Rainbow	67	Lady Slipper (Balsam)	62	Smilax	84
Mangel Wurzel	26			Cosmos	53, 54, 67	Lantana	73	Snapdragon (Antirrhinum)	52, 57
Melon	8, 25, 26			Cowslip (Primula)	82	Larkspur (Annual)	73	Solanum	84
Mint	24, 37, 38			Cultural Leaflets	9	Larkspur (Perennial)	68	Solidago (Golden Rod)	71
Mushroom Spawn	27			Cuphea	67	Lathyrus	74	Spider Plant (Cleome)	66
Muskmelon	25			Cyclamen	67	Lavatera	74	Statice	84
Mustard	25			Cyperus	67	Lavender	74	Stevia	84
Okra	27			Cypress Vine	68	Lemon Verbena	88	Stipa (Grasses)	71
Onions	8, 28			Dahlia	54, 68	Lentosyne	74	Storks	85
Onion Sets	27			Daisy	68	Lily of the Valley	74	Stokesia	84
Parsley	29, 38			Datura	68	Linaria (Kenilworth Ivy)	73	Strawflower (Helichrysum)	72
Parsnip	29			Delphinium	68	Linum	74	Sunflower	55, 85
Peas	5, 30, 31			Dianthus	69	Lobelia	54, 74	Sweet Alyssum	57
Peanuts	32			Dianthus Barbatus (Sweet William)	88	Love-in-a-Mist (Nigella)	78	Sweet Peas	86, 87
Pennyroyal	32, 37			Dictamnus	69	Lupinus	74	Sweet Rocket	83
Pepper	7, 29, 38			Digitalis	69	Lychnis	74	Sweet Sultan	88
Pe-Tsai	7			Dimorphotheca	69	Cythrums	74	Sweet William	88
Pop Corn	19			Dolichos	70	Marigold	75	Tagetes	88
Potatoes	32			Dracena	70	Marvel of Peru	76	Thunbergia	88
Potato Seed	32			Dusty Miller (Centaurea)	65	Mathiola	75	Torenia	88
Pumpkin	33			Dusty Miller (Cineraria)	66	Matricaria (Feverfew)	70	Transvaal Daisy (Gerbera)	71
Radish	33			Echinocystis	70	Maurandia	75	Tropaeolum (Nasturtium)	77
Rhubarb	34, 38			Edelweiss	70	Mesembryanthemum	75	Valeriana	88
Rosemary	34, 37, 38			Eschscholtzia	70	Mignonne	75	Verbena	88
Ruta Baga	37			Eulalia (see Grasses)	71	Mimosa (Sensitive Plant)	84	Veronica	88
Saffron	34, 37			Eupatorium	70	Mimulus	76	Vinca	88
Sage	34, 37, 38			Euphorbia	70	Mixed Seed for Wild Garden	89	Viola	89
Salsify	34			Eyening Primrose (Oenothera)	78	Momordica	62	Violet	89
Savory	34, 37			Fern Spores	70	Monkshood (Aconitum)	56	Wallflower	89
Shallots	27			Feverfew	70	Moon Flower (Ipomoea)	73	Wild Cucumber (Echinocystis)	70
Sorrel	34			Forget-Me-Not (Myosotis)	76	Mourning Bride (Scabiosa)	84	Wild Flower Garden Mixture	89
Spinach	34			Four o'Clock (Marvel of Peru)	76	Morning Glory (Convolvulus)	53, 66	Woolflower	53, 89
Squash	35					Musa Ensate	76	Xeranthemum	89
						Musk Plant (Mimulus)	76	Zinnia	55

INDEX TO CONTENTS OF MICHELL'S 1919 CATALOG

3

BULBS AND PLANTS		BULBS AND PLANTS		IMPLEMENTS, SUNDRIES, ETC.		IMPLEMENTS, SUNDRIES, ETC.		IMPLEMENTS, SUNDRIES, ETC.	
	Page		Page		Page		Page		Page
Abies	120	Monarda	112	Charcoal	147	Labels	146	Rustic Bark	141
Abutilon	90	Moon Vine	115	Chrysanthemum Manure	147	Ladders	138	Salt	157
Acalypha	90	Montbretia	101, 112	Cider Mills	140	Lamps (Vaporizing)	153	Salt Bricks	154
Achyranthes	90	Myosotis	101, 113	Clay's Fertilizer	157	Land Plaster	157	Sand	147
Ageratum	90	Nut Trees	123	Coconut Fibre	147	Lawn Boots	129	Saucers	152
Akebia	114	Oxalis	101	Colony Houses	154	Lawn Cleaners	129	Sash	147
Alternanthera	90	Pachysandra	113	Copper Solution	158	Lawn Guards	144	Saws	138
Althea	118	Paeonies	111	Copper Strainers	151	Lawn Mowers	130, 131	Scalecide	158
Alyssum	90, 107	Pansy	101	Corn Knife	137	Lawn Mower Oil	132	Scale Destroyer	158
Amariyllis	90	Pears	123	Corn Planter	39, 125	Lawn Mower Sharpener	131	Scissors	139
Ampelopsis	114	Perennials	106, 113	Corn Poppers	19	Lawn Sand	157	Scoops	125, 135
Amrygdalus	115	Petunia	101	Corn Shellers	139	Lawn Shears	133	Scrappers	135
Anchusa	107	Philadelphus	119	Cork	147	Lawn Shovel and Edger	133	Screw Drivers	137
Anemone	107	Phlox	101, 112	Cotton Seed Meal	147	Lawn Signs	144	Scuffle Hoe	135
Antirrhinum	90	Pinks	113	Coupling Parts	142	Lawn Sprinklers	143	Scythes	132
Apples	123	Plums	123	Cow Manure	142	Lawn Trimmer	130	Scythe Handles	132
Apricots	107	Poppies	113	Cultivators	126, 127, 128	Leaf Mould	147	Scythe Stones	132
Aquilegia	114	Primula	113	Cultivator Teeth	127, 128	Leaf Racks	129	Seeders	125, 126, 127
Aristolochia	107	Privet	117	Cut Flower Boxes	147	Lemon Oil	158	Shadeline	147
Artemisia	107	Prunes	119	Cut Worm Destroyer	158	Lime	157	Shading Cloth	147
Asters	90, 107	Pyrethrum	101	Cyanegg	158	Limestone	157	Shears	133, 138, 147
Barberry	117, 118	Pyrus	119	Dandelion Extractor	134	Lime Sulphur	158	Shoo Fly	158
Begonias	90, 91	Quinces	113	Dickey Duster	149	Looping Shears	138	Shovels	158
Berberis	117, 118	Ranunculus	113	Dibbles	136	Manure Distributor	140	Sickles	132
Bignonia	114	Raspberries	123	Digging Forks	136	Manure Drays	140	Sieves	140
Blackberries	122	Roses	102 to 105	Disinfectants	156	Manure Forks	135	Slug Shot	158
Boxwood	117, 120	Rudbeckia	113	Drills	125, 126, 127	Mapes Fertilizer	137	Snow Shovels	158
Buddleia	118	Salvia	101	Edger	133	Marking Rakes	134	Sod Crushers	140
Butterfly Bush	118	Scabiosa	113	Edging Knives	133	Mastica	141	Sod Cutter	131
Calendula	91	Scarlet Sage	101	Egg Boxes	154	Mastica Machine	141	Sod Lifters	133
Caladium	91	Schizophragma	115	Emery	132	Mattocks	137	Sod Perforators	129
Callas	118	Sedum	113	Extension Pipes	150	Measures	146	Sod Tamper	129
Calceanthus	103	Shrub	118, 119	Feeders	154	Melon Nets	25	Soil	147
Campanula	103	Solidago	113	Fencing	144, 145	Milking Pails	154	Soot	157
Cannas	92, 93	Spiraea	113	Fern Dish Liners	152	Miniature Hotbeds	146	Spades	157
Carnations	107	Stocks	101	Fern Pans	152	Mole Traps	133	Shading Forks	136
Caryopteris	107	Stokesia	113	Fertilizers	157	Monkey Wrenches	137	Sprayers	146, 149 to 151
Celastrus	115	Strawberry Plants	123	Fertilizer Distributors	125	Moose Traps	147	Sprinklers	143
Centaurea	91	Summer Hyacinths	100	Files	158	Mowers	139	Stakes	143
Cerasus	118	Sweet William	113	Fir Tree Oil Soap	158	Murford Germ	130, 131	Stake Fasteners	148
Cercis	118	Symphoricarpos	119	Fish Oil Soap	158	Muriate of Potash	10, 41	Staples	144
Cherries	123	Trees	121	Flower Bed Fencing	145	Mushroom Spawn	157	Stone Boxes	129
Chionanthus	118	Trillium	113	Flower Pots	152	Nails	27	Strainers	151
Chrysanthemum	108	Tritoma	113	Fruit Picker	140	Netting	145	Straw Mats	147
Cinnamon Vine	115	Tuberose	101	Fumigators	149	Nico Fume	158	Sulphate of Ammonia	157
Clethra	118	Viburnum	119	Fungine	158	Nikoteen	158	Sulphate of Potash	157
Clematis	114	Vine	101, 113	Garden Lines	137	Nitrate of Soda	157	Sulphate of Copper	158
Climbing Plants	114, 115	Weigelia	119	Garden Markers	146	Nozzles	143	Sulpho Tobacco Soap	158
Cobaea	91	Wistaria	115	Garden Reels	137	Nozzle Holders	142	Sulphur	158
Coreopsis	108	Yucca	113	Garden Sets	135	Oil Cans	132	Sulphur Blowers	149
Cornus	118	Zephyranthes	101	Get There Soap	158	Orchid Peat	147	Sulphur Candles	158
Cosmos	100	Zinnias	101	Glass Clamps	141	Paeony Support	145	Sun Dials	144
Currants	122			Glass Cleaner	147	Paper	147	Syringes	150
Cytisus	118			Glass Cutters	141	Paris Green	158	Tankage	157
Dahlias	94 to 97			Glazing Cement	141	Paris Green Shakers	149	Tennis Court Markers	122
Daisy	100, 108			Glazing Points	141	Peat	147	Thermometers	27, 140
Delphinium	109			Gloves	138	Pea Trellis	31	Thermostat	140
Deutzia	118			Grafting Tools	137	Pebbles	147	Thompson Manure	140
Dianthus	107, 108			Grafting Wax	137, 147	Persian Powder	158	Thrip Juice	158
Dielythra	108			Grape Bags	146	Phosphate	157	Tinfoil	147
Digitalis	109			Grape Dust	158	Picks	137	Tobacco Dust	158
Dogwood	118			Grape Grinders	140	Plant Food	157	Tobacco Soap	158
Dracacna	100			Grass Catchers	131	Plant Protector	23	Tobacco Stems	157, 158
Eremurus	109			Grass Edgers	133	Plant Stakes	146	Tomato Support	145
Eunymous	115, 118			Grass Hooks	132	Planet, Jr., Tools	126, 128	Toothpicks	147
Evergreens	120			Grass Shears	133	Pliers	137	Torches	149
Ferns	110			Greenhouse White	141	Plows	124 to 126	Tree Brushes	137
Forget-me-nots	101			Grindstones	125	Poles	133, 138, 149	Tree Guards	145
Forsythia	118			Hammer	137	Porch Boxes	141	Tree Labels	146
Fuchsia	100			Handles	135	Post Hole Diggers	137	Tree Paint	147
Funkia	109			Happy Jack Wind Mill	141, 144	Potato Knives	32	Tree Pruners	138
Galliardia	109			Harrow	124, 128	Potato Manure	157	Tubs	152
Geranium	100			Hatchets	127	Potato Scab Destroyer	32	Tree Scrapers	152
Gladiolus	98, 99			Hay and Feed Cutter	139	Potato Scoops	155	Tree Tanglefoot	158
Gooseberries	122			Hay Forks	139	Pot Labels	146	Trellis	31, 146
Grapes	122			Hedge Knives	136	Poultre	157	Trowels	146
Grasses (Ornamental)	110			Hedge Shears	138	Poultry	157	Turf Lifters	138
Gypsophila	110			Hedge Trimmers	138	Poultry Supplies	153, 154	Twine	9, 148
Hedge Plants	117			Hellebore	158	Powder Gun	149	Vapor Cones	158
Helentum	110			Hoes	127, 128, 134, 135	Protecting Cloth	147	Vaporite	158
Hellanthus	110			Horn Shaving	157	Pruning Compound	147	Vaporizing Lamps	149
Heliopsis	110			Horse Rollers	132	Pruning Gloves	138	Vases	144, 152
Hellotrope	100			Hose	142	Pruning Shears	139	Vine Nails	145
Helleborus	110			Hose Bands	142	Pulverizers	126, 128	Wall Nails	145
Hemerocallis	110			Hose Connections	143	Pumps	149, 151	Water Barrels	129
Hibiscus	110			Hose Couplings	142	Putty	141	Water Cans	143
Hollyhock	110			Hose Menders	142	Putty Distributors	141	Wax Paper	147
Honeysuckle	115			Hose Mending Outfit	142	Pyrox	158	Weeders	125, 127, 136
Hop Vine	115			Hose Reducers	142	Raffia	9, 148	Weed Guns	147
Hyacinthus	100			Hose Reels	142	Raffia Tape	9, 148	Weed Killer	147
Hydrangeas	116, 118			Hot Beds	146	Rakes	137	Weed Pulvers	134
Iberis	110			Hot Bed Mats	147	Rat Traps	139	Wheat Fertilizer	157
Iris	110			Hot Bed Sash	147	Readeana	158	Wheelbarrows	132
Ismene	100			Hovers	158	Reels	137	Wheel Hoes	126, 127
Ivy	100, 115			Husking Pins	137	Rolling Stands	125	Window Boxes	141
Kerria	119			Humus	49, 157	Rollers	152	Wire Presses	140
Kudzu Vine	115			Hyacinth Stakes	148	Roofing	147	Wire	148
Lantana	100			Hydrant Attachment	143	Roofing Paper	147	Wire Arches	145
Lathyrus	115			Hydrometers	158	Root Cutters	139	Wire Baskets	144
Lemon Verbena	100			Implement Handles	135	Rubber Aprons	143	Wire Netting	144
Lilacs	110			Imp. Soap	158	Rubber Hose	142	Worm Destroyer	158
Lilies	101			Incubators	153	Rubbish Baskets	146	Worm Eradicator	158
Lily of the Valley	112			Iron Age Tools	127	Rubbish Sprinklers	146	Zementine	147
Lobelia	100, 112			Insecticides	158	Rubbish Consumers	134	Zenoleum	158
Lonicera	119			I X L Compound	158				
Lupinus	112			Kainit	157				
Lychnis	112			Kerosene Emulsion	158				
Lycium	115			Kirke Feeder	151				
Madefra Vine	115			Knives	32, 137				
Maples	119								
Marigold	100								
Matricaria	112								
Mexican Vine	115								

Always Sow Michell's
Lawn Grass Seed

MICHELL'S COLLECTIONS OF VEGETABLE SEEDS

SAVE
YOUR
MONEY

SAVE
YOUR
TIME

It will be observed that the varieties offered in these collections are such as can be planted as late as most gardening can be undertaken.

The "collection idea" of Vegetable Seeds is gaining popular favor rapidly; many persons, even experienced gardeners, do not know the best varieties to order. They often use the same sorts year after year, thus missing some of the better and newer strains of vegetables. These collections have also a decided feature of advantage, as they save time and money. Most of them cover the most popular kinds of vegetables used or desired in every household, and we are sure our customers will find them made up with the thought of being entirely practical.

MICHELL'S Dollar Vegetable Garden

(Postpaid anywhere in the United States)

The frontispiece of this catalog shows the above collection in natural colors, the vegetables having been drawn from nature, so that the reproduction is true in every way. A dollar or more expended on these collections will be found a good investment, because of the value received. It will be noticed below that we offer these in quantities as some persons may wish to order for their friends who are interested in gardening. These collections are put up in advance of our busy season and we regret that we cannot promise to change them in any way.

The dollar vegetable garden contains a liberal sized packet of each variety noted below.

Beans—Boston Navy.
Beans—Fordhook Bush Lima.
Beans—Michell's Improved Strain
Stringless Green Pod.
Beet—Michell's Winter Keeper.
Carrot—Orange Beauty.
Corn—Golden Bantam.

Lettuce—Michell's Allright.
Onion—Winter Keeper.
Peas—Michell's Harvester.
Radish—Cardinal Globe.
Swiss Chard—Giant Lucullus.
Tomato—Crackerjack.

The above collection sent postpaid anywhere in the United States (safe arrival guaranteed) for ONE DOLLAR. 6 collections for \$5.50. 12 collections for \$10.00. 25 collections for \$20.00 Mailed to one or more addresses.

MICHELL'S Suburban Garden Collection of VEGETABLE SEEDS, \$2.00

(Postpaid anywhere in the United States)

A liberal sized list of the best and most desirable, embracing some of those in the "Dollar Garden" with increased quantity, and with other good ones added. The collection contains:

1 Pkt. Beans—Best of All.
1 Pkt. Beans—Golden Wax.
1 Pkt. Beans—Fordhook Bush Lima.
1 Oz. Beet—Crimson Globe.
1 Oz. Carrot—Orange Beauty.
1 Pkt. Chervil.
1 Pkt. Corn—Country Gentleman.
1 Pkt. Corn—Golden Bantam.
1 Pkt. Cress—Double Curled.
1 Pkt. Cucumber—Davis Perfect.
1 Pkt. Kohl-Rabi—White Vienna.

1 Pkt. Lettuce—May King.
1 Pkt. Okra—Perkins' Improved.
1 Pkt. Parsley—Double Curled.
1 Pkt. Peas—Harvester.
1 Pkt. Peas—Special Extra Early.
1 Pkt. Pe-Tsai (Chinese Cabbage)
1 Pkt. Radish—Cardinal Globe.
1 Pkt. Radish—Icicle.
1 Oz. Spinach—Bloomsdale.
1 Pkt. Swiss Chard—Lucullus.
1 Pkt. Turnip—Snowball.

The above collection mailed postpaid anywhere in the United States for \$2.00.

MICHELL'S Country Garden Collection of VEGETABLE SEEDS, \$3.50

Postpaid anywhere in the U. S.

1 Lb. Beans—Golden Wax.
1 Pkt. Beans—Fordhook Bush Lima.
1 Lb. Beans—Stringless (Green Pod).
1 Oz. Beet—Crosby's Egyptian.
1 Pkt. Celery—White Plume.
1 Pkt. Celery—Winter Queen.
½ Lb. Corn—Golden Bantam.
½ Lb. Corn—Stowell's Evergreen.
1 Pkt. Cucumber—Long Green.
1 Pkt. Kale—Dwarf Green.
1 Pkt. Lettuce—All Heart.
1 Pkt. Lettuce—Romaine.
1 Pkt. Melon—Honey Dew.
1 Oz. Okra—Dwarf Green.
1 Pkt. Onion—White Bermuda.
1 Pkt. Parsley—Double Curled.
1 Pkt. Parsnip—Hollow Crown.
½ Lb. Peas—Dandy, Extra Early.
½ Lb. Peas—Dwarf Champion.
1 Pkt. Pumpkin—Winter Luxury.
1 Pkt. Radish—Cardinal Globe.
1 Pkt. Radish—Icicle.
1 Pkt. Ruta Baga—P. T., Yellow.
1 Oz. Salsify—Sandwich Island.
¾ Lb. Spinach—Bloomsdale.
1 Pkt. Squash—White Bush.
1 Oz. Swiss Chard—Lucullus.
1 Pkt. Turnip—P. T., White Flat.

The above collection mailed anywhere in the United States postfree for \$3.50.



These collections are mailed postpaid at prices quoted.

MICHELL'S \$5.00 Garden Collection of VEGETABLE SEEDS

5

EXPRESS COLLECT

This is a very complete assortment and will meet the needs of most any suburbanite and country gardener. It will furnish a supply from the moment fresh vegetables are possible until the beginning of the following season. The quantities are liberal and the varieties and assortment have been carefully selected. The description of the varieties will be found in the body of this catalog in alphabetical order.

If this collection is desired sent prepaid, add 25c. for express or mailing charges for prepayment to any address in the United States.

- 1 Lb. Beans—Currie's Rust-Proof Wax (Yellow Pod).
- 1 Lb. Beans—Early Mohawk (Green Pod).
- ½ Lb. Beans—Fordhook Bush Lima.
- 1 Lb. Beans—Michell's Evergreen Pole Lima.
- 1 Oz. Beet—Bastian's Half Long (For winter).
- 1 Oz. Beet—Eclipse (Early).
- 1 Pkt. Brussels Sprouts.
- 1 Oz. Carrot—Danvers.
- 1 Pkt. Carrot—French Forcing.
- 1 Pkt. Cauliflower—Snowball.
- 1 Pkt. Celery—Easy Blanching (Early)
- 1 Pkt. Celery—Winter Queen (Late).
- 1 Pkt. Chervil—For garnishing.
- 1 Pkt. Chicory—Witloof.
- ½ Lb. Corn—Country Gentleman (Medium).
- ½ Lb. Corn—Golden Bantam (Early).
- 1 Pkt. Cucumber—Davis' Perfect.
- 1 Pkt. Endive—Giant Fringed.
- 1 Oz. Kale—Imperial (Winter Greens).

- 1 Pkt. Kohl Rabi—White Vienna.
- 1 Pkt. Leek—Carentan (For flavoring soups, etc.).
- 1 Pkt. Lettuce—May King (Early)
- 1 Pkt. Lettuce—Romaine.
- 1 Pkt. Lettuce—Salamander (Summer).
- 1 Pkt. Muskmelon—Honey Dew.
- 1 Pkt. Muskmelon—Rockyford.
- 1 Oz. Okra or Gumbo—Perkins' Improved.
- 1 Pkt. Onion—White Bermuda.
- 1 Pkt. Parsley—Double Curled.
- 1 Lb. Peas—American Wonder (Early).
- 1 Lb. Peas—Dwarf Champion (Late).
- 1 Lb. Peas—Gradus (Early).
- 1 Pkt. Pumpkin—Japanese Pie
- 1 Pkt. Radish—Crimson Giant.
- 1 Pkt. Radish—Long Scarlet.
- 1 Pkt. Radish—White Box.
- ¼ Lb. Spinach—Bloomsdale.
- 1 Pkt. Squash—Hubbard (Winter).
- 1 Pkt. Squash—White Bush (Early).
- 1 Pkt. Water Melon—Tom Watson.

Michell's \$5.00 Garden Collection sent prepaid anywhere in the United States for \$5.25, or sent charges collect for \$5.00.

THREE SPLENDID GARDEN PEAS

MICHELL'S SPECIAL EXTRA EARLY

The peer of all smooth-seeded sorts. The vines are about 24 inches high, the pods 2½ to 3 inches long; with 5 to 7 peas each. The delicious flavor and sweetness, the tender quality and smoothness of Michell's Special Extra Early is well known to many satisfied customers. The extreme earliness of this sort distinguishes it from all others, as it produces the earliest crop of this delicious vegetable. Its hardiness enables it to be planted as soon as the frost is out of the ground. Be sure to include some of this variety in your order. Pkt., 10c.; 40c. per lb.; 5 lbs. for \$1.85; \$3.60 for 10 lbs.; 25 lbs., \$8.50.

THE PILOT OR LEADER (See Illustration)

A valuable early variety, smooth seeded, yielding large pods and peas rivaling in size with Gradus. A strong, vigorous grower, which means a heavy cropper. The flavor is splendid and its general habit will commend it to all planters. This variety is best for planting just ahead of the early wrinkled sorts. It grows about 3 ft. in height, and consequently will yield best if supported with brush, wire or trellis. The pods are well filled and hang in pairs, which makes it easy to pick. Pkt., 10c.; 40c. per lb.; 5 lbs. for \$1.85; \$3.60 per 10 lbs.; 25 lbs., \$8.50.

THE HARVESTER (New)

A grand home garden variety, being a second early wrinkled and exceptionally sweet. It grows about 18 inches high, and is an enormous yielder. It was first introduced some four years ago, and is now regarded as a standard. Last season the stock was short, so that many orders, therefore, could not be filled; while for this season we have again been fortunate in securing a good yield, so that we believe all orders can be cared for. Pkt., 10c.; 40c. per lb.; 5 lbs. for \$1.85; \$3.60 per 10 lbs.; 25 lbs., \$8.50.

Special Offer—1 pound of each of the above varieties for \$1.10.

On page 31 will be found a complete offering of Garden Peas.

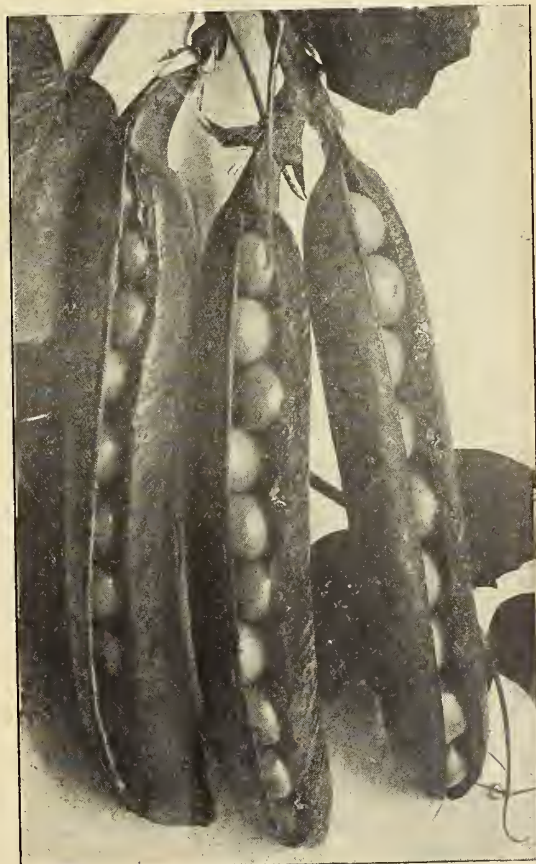
NOTE.—If peas are wanted by mail, add postage at the rate given on page 1.

Metuchen, N. J.

Dear Sirs:—The celery plants I ordered arrived in excellent condition Friday morning, July 25th. Thanking you for the prompt shipment, I am

Yours truly,

R. J. CLARKE.

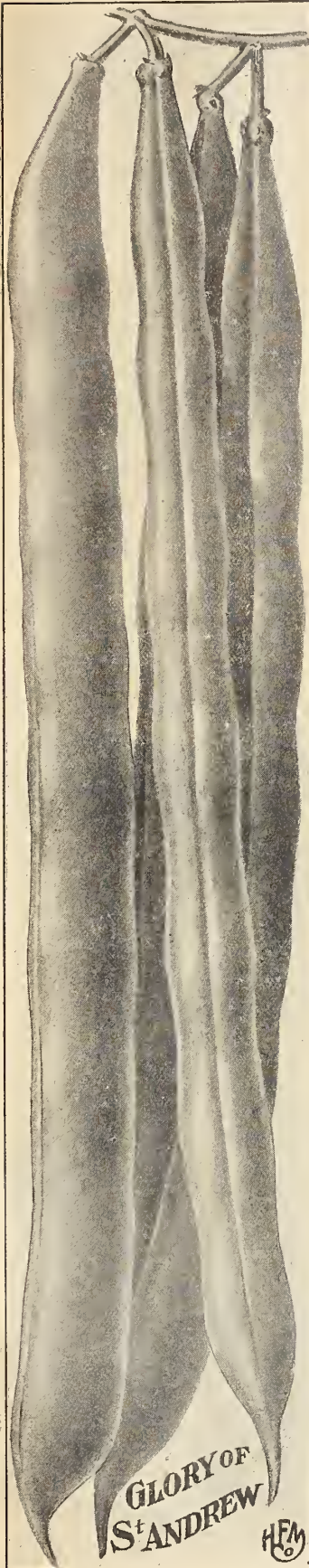


Pea—The Pilot or Leader

See also pages 6-7-8 for the Vegetable Seed Specialties

(hb)

MICHELL'S VEGETABLE SEED SPECIALTIES



In line with our usual custom, we have taken from our general list certain specially meritorious varieties of vegetable seed, to which we call on pages 4 to 8, special attention. Planters will do well to include these sorts (as well as the novelties included in the list) in their seed order.

BEAN—Glory of St. Andrew (Green Pod). A dwarf compact grower and a tremendous yielder with a round pod absolutely stringless in the young stage. In our trials the past year we were much impressed with this variety on account of its wonderful productivity. It was quite immune from diseases that attack beans and an early maturer. Price, 15c. per pkt.; per lb., 50c.; 5 lbs., \$2.25; \$4.25 for 10 lbs.

BEAN—Mont d'Or (Wax Pod). Semi-round in form and in comparison with the variety mentioned above it seems to possess the same qualifications except shape and color of pod. Price, 15c. pkt.; lb., 50c.; \$2.25 for 5 lbs.; 10 lbs., \$4.25.

POLE LIMA—Michell's Evergreen. A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. The pods hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. All who grow limas should have this valuable variety in the home or market garden. Pkt., 15c.; 50c. lb.; 5 lbs., \$2.40; \$4.60 for 10 lbs.; 25 lbs., \$10.25.

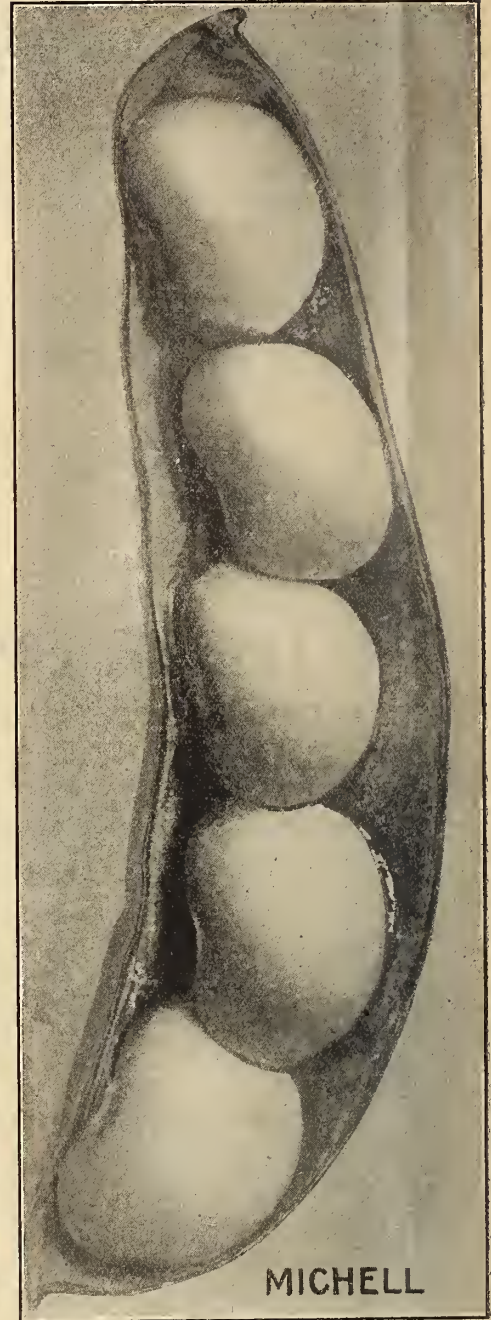
POLE LIMA—Giant Podded Pole. This variety produces pods, frequently $8\frac{1}{2}$ inches long, which are well filled with tender beans, and are of a most delicious flavor when cooked. Its producing qualities are phenomenal; combines a vigorous growth with numerous laterals, which yield quantities of pods in clusters, usually as many as 8 pods. These stand out well from the foliage, so that they can easily be picked. In this variety it is recommended to leave but 2 or 3 stalks to the pole. Giant Podded Pole Limas bear well up to frost. 15c. pkt.; per lb., 45c.; \$2.15 for 5 lbs.; 10 lbs., \$4.10; \$8.50 for 25 lbs.

BEEF—Michell's "Winter Keeper." This grand new beet is almost globe shaped, tapering slightly toward the root. The dark blood red flesh is always tender. The hard, stringy, wooden-like substance, so common in many varieties, is entirely absent in this sort. It is ideal as a late summer cropper, or for use during winter and spring, until new beets are on the market again. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 85c.; \$3.00 per lb.

TESTIMONIAL ON MICHELL'S WINTER KEEPER BEET

Wheeling, W. Va.
Please mail me at once—Michell's Winter Keeper Beet. I had a trial of these the past spring, and want to say that I never had such good-tasting beets before. I have some growing now for my winter supply, but I want to be sure of my seed for next season, so I can also give my friends a taste of them. The color and flavor of this variety is positively not to be beaten.
MAX L. HESS.

ORDER SEEDS EARLY
Some varieties are short in supply



Michell's Evergreen Pole Lima Bean

New Dwarf Early Tomato John Baer

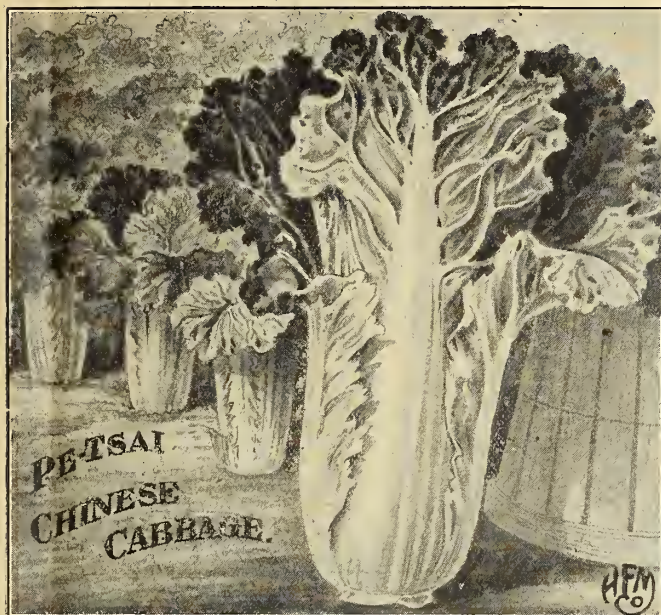
The chief value of this variety lies in its extreme earliness, it was introduced about 4 years ago and sold readily at \$1.00 per packet of a few seeds. It is gradually becoming very popular. It grows in a dwarf compact almost tree form and frequently has small ripe fruits on the plant while yet in pots indoors awaiting transplanting into the garden. It is medium in size, very smooth and uniform and of a bright red color. As a distinct novelty in early tomatoes we can recommend it, although it is not a heavy yielder. Pkt., 15c.; 30c. per $\frac{1}{2}$ oz.; oz., 50c.; \$1.75 per $\frac{1}{4}$ lb.

All Prices subject to change without notice

(hb)

MICHELL'S VEGETABLE SEED SPECIALTIES

7



PE-TSAI (Chinese or Celery Cabbage)

The American gardener as well as housewife will hesitate, in thinking, that anything of Chinese origin would be suited to their taste. This, however, is not the case with the Chinese Cabbage. The plant is of upright growth, about 15 inches high, sometimes more, sometimes less, soil conditions governing. It resembles in appearance and growth a head of Cos Romaine or Celery Lettuce, but possesses the attractive curly feature of Silesian Lettuce, and a broad, wide rib. The heads are very firm, almost like Cabbage. The flavor is delightful, not at all like Cabbage, but rather on the order of Witloof Chicory or French Endive. It may be served like lettuce, tasting better with salad dressing, or it makes excellent Cole Slaw when it is prepared exactly as one would prepare Cole Slaw from Cabbage. It may also be cooked as one would Cabbage, the flavor somewhat resembling Cauliflower. It can be planted as a spring or autumn crop; for latter the seed is sown in July. The head does not become as high then as when sown in spring, and is adapted in that season rather as a Lettuce than as Cabbage. May be forced readily in cold frame. We are convinced that this vegetable will become popular very shortly. The small plants are handled much like Lettuce, except that they should be set out from 15 to 18 inches apart, the rows 2 to 2½ feet apart. They prefer naturally low or moist garden soil, although they will thrive in almost any soil conditions. Pkt., 10c.; ½ oz., 20c.; oz., 40c.; ¼ lb., \$1.25.

Testimonial on Pe-Tsai

Chestnut Hill, Phila.,
October 24, 1918.

I grew this year in my garden some Chinese Cabbage or Pe-Tsai, as it is called. In my opinion it is a remarkable vegetable, and certainly should command a place in every garden. Some specimens I grew weighed as much as 9½ lbs.; they were gigantic beauties. When cooked as cabbage this vegetable has no odor and in that respect certainly has one on cabbage for merit.

EDWARD GROVES.

CELERY—Michell's Easy Blanching

This variety, without exception, is probably the most important celery introduction in recent years. The bunch photographed, from which the illustration opposite was made, weighed, October 2nd, 13½ lbs., measured about 15 inches through in breadth and about 30 inches high, and realizing that it had at that time fully 30 days to grow and develop, it can instantly be appreciated that it is a remarkable variety. The stalks are broad, fine grained and crisp, with a big heart that blanches a beautiful white with yellow leaf tips. As a celery for early autumn and Thanksgiving, we believe it has no equal. Pkt., 15c.; 60c. per ½ oz.; oz., \$1.00; ¼ lb., \$3.00.

THE BALL CELERY BLEACHER

A practical, inexpensive device for bleaching celery early, made of stiff, heavy paper. A boy can put them on the plants at the rate of from 3,000 to 5,000 per day, so the work end is small. If the tubes are to be left on the plants all winter and the soil drawn around them, you get celery clean and sweet.

					Per 50	100	1000
No. 1.	6	x 12 in.	Wt. per 100,	8 lbs....	\$1.15	\$2.25	\$17.00
No. 2.	6½	x 13 in.	Wt. per 100,	10 lbs....	1.35	2.50	20.00
No. 3.	7	x 14 in.	Wt. per 100,	14 lbs....	1.60	3.00	22.00



Celery—Michell's Easy Blanching

PEPPER—Pimiento

A sweet species without any trace of burning when eaten alone or used in the preparation of other dishes. The plant is compact and uniform in growth, while the fruits are perfectly smooth and attractive. When fully ripe they are bright red, although they can be used in the green state. For slicing on tomatoes, salads, etc., they are delicious; while, used stuffed and baked, they are equally pleasing. This may be considered one of the best peppers for the home garden. Pkt., 10c.; 30c. per ½ oz.; per oz., 60c.; \$2.00 per ¼ lb.

MICHELL'S VEGETABLE SEED SPECIALTIES

ONION—Michell's White Bermuda

(Illustration is about 2/3 natural size.)

Many people who garden like to sow onion seed that will produce a full-sized onion the first season. The White Bermuda variety combines this feature, in addition to being extremely large, mild-flavored and of wonderful uniformity. For boiling, eating raw on sandwiches, or as garnishing on green salads, it is unquestionably good. To get the best results, the seed should be sown in a bed thinly. When about 3 or 4 inches high, transplant the seedlings in rows about 1½ feet apart, setting the seedling about 4 or 5 inches apart in the row. A dull day is best for this, when the soil is moist, to insure the seedlings establishing themselves readily. Prior to planting, the top should be nipped off so that the plants will stand about 2½ inches high. This variety, like all onions, delights in rich soil. They should be well cultivated during the growing period, and when the seed heads appear the plant should be bent over to develop the bulb. Pkt., 10c.; 25c. per ½ oz.; 1 oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.00.

MELON—Honey Dew

(See illustration below.)

The original seed of this came from Africa; was planted in Rockyford, Colorado, and crossed with the famous Rockyford Melon. It is offered extensively in the Philadelphia markets as late as November and commands big prices. It might easily be termed a family melon because one is large enough for a number of people. It is in size about six inches in diameter and from seven to eight inches long. The skin is smooth with an occasional net, creamy white. The thick flesh is emerald green, melting and of a wonderfully delicious flavor, sweet as honey. The ripe melons can be kept in a suitable place for several weeks before using; in fact, they can be placed in cool storage and kept until Christmas. Pkt., 10c.; 15c. ½ oz.; oz., 30c.; ¼ lb., \$1.00.

WATERMELON—Tom Watson

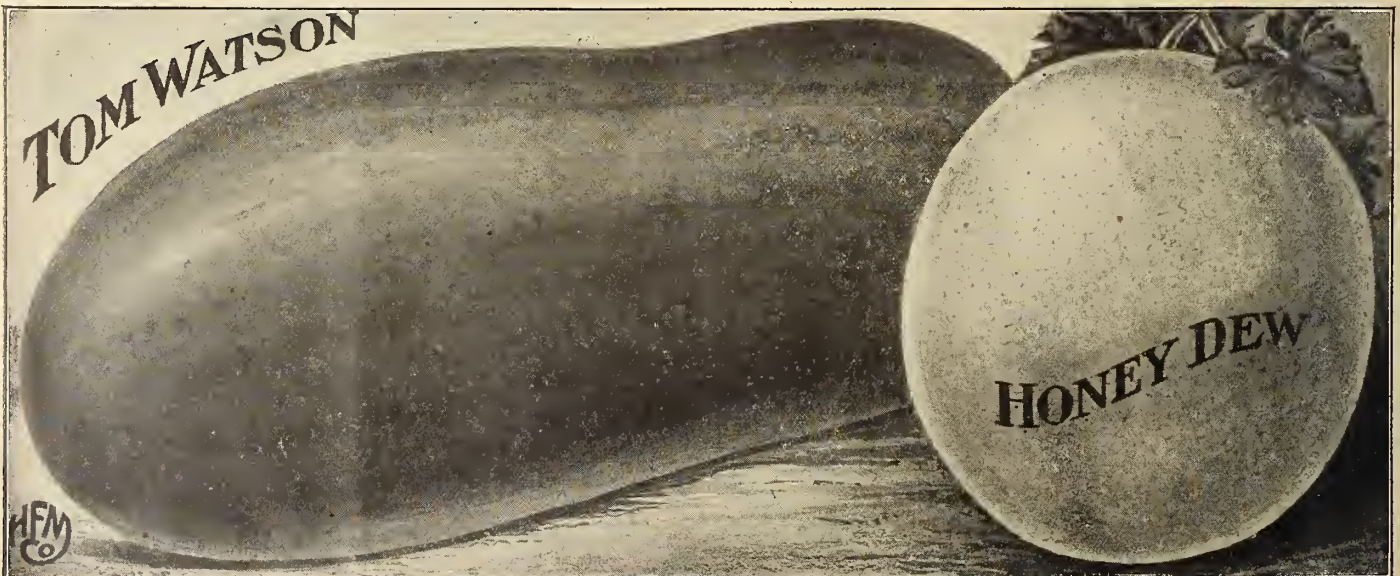
When first introduced a few years ago this variety was heralded as the best yet, and undoubtedly it still deserves this distinction. A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh which, by the way, is of splendid texture and flavor; the sugary meat really melts in your mouth. The interior is solid meat with no cavity or core, while the flesh extends closer to the rind than most other sorts. Nothing can touch it in the melon line for shipping qualities; the rind being tough it will resist plenty of abuse. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.75 per lb.



Michell's White Bermuda Onion

MELON—Delicious Gold Lined

Everyone who relishes canteloupes appreciates a good Rockyford melon. "Delicious Gold Lined" is an improved strain type of the former. The fruits are medium in size, uniformly oval, while the vines are wonderful resisters of most diseases that attack canteloupes. It is an early maturer and extremely prolific; beautifully netted a light gray. The flesh is green, edible to the rind, while the small seed cavity is surrounded by a tint of light orange overlaying the inner part of the fruit. Pkt., 10c.; 20c. per oz.; ¼ lb., 70c.; \$2.25 per lb. (See illustration, page 25.)

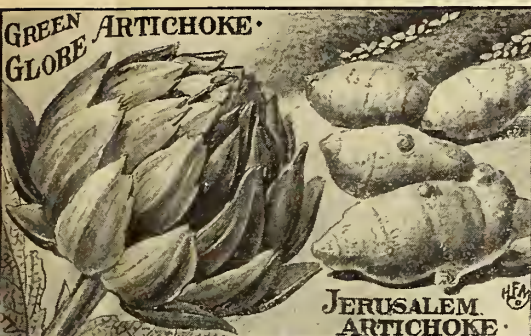


Rosemont Farm, Berryville, Clarke County, Va.

Your lawn grass seed came up fine, although the weather here is unusually cold and wet. All your seeds seem to do very well in this climate.

ALFRED HARDING.

Dear Harry: I want you to order for me the following list of seeds of Henry F. Michell Co. and send them to me at once. I have grown their seeds and they beat anything that I have had yet.—From CAPT. JESSE M. BAKER, Quartermaster, U. S. Army, Philippine Islands.



ANISE (Herb). Pkt., 10c.; 15c. per ½ oz.; 30c.

ARTICHOKE

Artichaut (Fr.); **Artischoke** (Ger.); **Alcachofa** (Ital.) One ounce will produce about 500 plants.

Sow seeds in January in the greenhouse or in hot-beds in March. Transplant when large enough in rows 3 feet apart, 2 feet apart in the row. Cultivate when growing, freely, and protect the plants in winter by taking them in a cellar or in a cold frame, or they may be left outdoors protected by straw in a climate that is not too severe. Artichokes if properly cared for last for several years.

Green Globe. Pkt., 10c.; 50c. ½ oz.; 1 oz., \$1.00.

ARTICHOKE PLANTS

(Ready in April)

Green Globe. We grow a large stock of these, for those who do not care to bother with them from seed; thus they can be assured of an early crop. Pot grown. \$1.75 per doz.; 25 for \$3.00; \$10.00 per 100 (by express).

ARTICHOKE ROOTS

Jerusalem (Ready in April)

Sometimes called the American Artichoke. Used for table and stock feeding. Cut the tubers to single eyes and plant them like potatoes, 3 to 4 feet apart each way, placing three or four tubers in a hill. Leave the tubers in the ground and dig them as wanted; they are hardy. 30c. qt.; peck, \$1.50; \$5.00 per bu. of 60 pounds.

ASPARAGUS

Asperges (Fr.); **Spargel** (Ger.); **Esparrago** (Ital.) Sow 5 lbs. per acre for roots, or 1 oz. to a 100 ft.

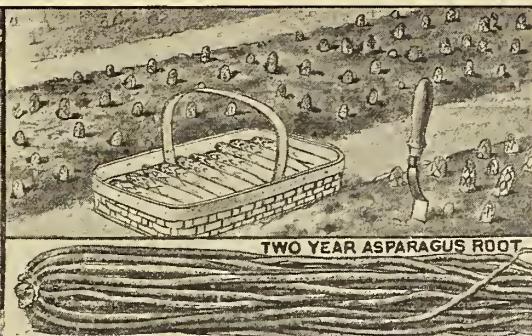
Asparagus grows easily in almost any good soil, but best results are obtained in well-enriched, deep, sandy loam. A well-cared-for bed improves with age and lasts for many years. It may be established from seed, but much time is saved by planting roots. Seeds should be sown thinly in early spring in rows 1 foot apart. Thin out the weakest plants so the remainder will be 4 inches apart. When 1 year old transplant in the permanent bed in rows 3 ft. apart, setting the roots 1 ft. to 1½ ft. apart, from where it can be cut three years later. "Michell's Leaflet on Asparagus Culture" gives full information and is mailed free.

Michell's Giant Argenteuil (Special Strain). Of all the varieties that we have extensively tried, this has been found to excel, both from a point of productiveness, tenderness, earliness and resistance to diseases. In size it is a giant. A marketable shoot or spear is often two inches in diameter and 12 inches long, of which every part when boiled is tender and delicious. It is the one variety that succeeds well in all soils and climates. Color, white, with a greenish purple tip. Pkt., 10c.; 20c. oz.; ¼ lb., 40c.; \$1.25 lb.

Barr's Mammoth. Produces heavy, stout spears, of delicious flavor. Remaining green when cooked. A very popular sort. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 80c. per lb.

Conover's Colossal. A prolific sort, similar to Barr's Mammoth, but the stalks are a trifle larger and lighter in color. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 75c. per lb.

Palmetto or Eclipse. One of the earliest; very prolific and finely flavored. Color, green. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 75c. per lb.



ASPARAGUS ROOTS

(Ready after March 1st)

4,000 to 6,000 roots required for an acre, according to the distance set apart.

	2-Year-Old Roots		
	Doz.	100	1000
Barr's Mammoth	\$0.30	\$1.25	\$10.00
Conover's Colossal	.30	1.25	10.00
Giant Argenteuil	.30	1.25	10.00
Palmetto or Eclipse	.30	1.25	10.00

	3-Year-Old Roots		
	Doz.	100	1000
Barr's Mammoth	\$0.40	\$1.75	\$15.00
Conover's Colossal	.40	1.75	15.00
Giant Argenteuil	.40	1.75	15.00
Palmetto or Eclipse	.40	1.75	15.00

ACCESSORIES TO ASPARAGUS GROWING

Raffia Tape. A linen and paper composition in 250-yard spools; Nile green color. 85c. per bolt.

Asparagus Tape. Fast cherry red color, waterproof; in 1,000-yard spools. Per spool, \$6.50.

Raffia. Ideal for tying asparagus in bunches, in a neat manner.

Natural, \$1.50 per lb.

Colored, per pkge. of about 1 and 1/3 oz., 15c. each.

Jute Twine. For tying asparagus, 2, 3 and 5-ply, in balls, soft and pliable. Per ball, 25c.; 45c. per lb.

Asparagus Salt. Applied in the spring for destroying weeds; 600 to 800 lbs. per acre. \$1.75 per 100 lbs.; 200 lbs., \$3.00; \$25.00 per ton.

Asparagus Fertilizer. Compounded after a formula recommended by a leading asparagus grower; apply 600 lbs. per acre. In 200-lb. bags, \$6.50; \$55.00 per ton.

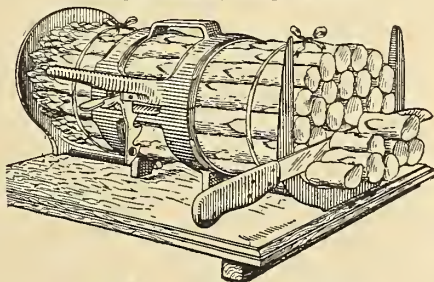


ASPARAGUS KNIVES

No. 45. Asparagus Knife, Bateman's.....\$0.50

No. 399. Asparagus Knife, American. V-shaped blade, short handle..... .60

No. 399. Asparagus Knife, American. V-shaped blade, long handle..... .75



ASPARAGUS BUNCHER

It pays to use a buncher. Asparagus is quickly tied and looks uniform. With Knife Guard, \$3.25.

A Book, entitled **Asparagus Culture**, by Hexamer, will solve any of the problems that may arise in growing this crop. Price, 60c. postpaid.

All prices subject to change without notice

(hb)

MICHELL'S
GIANT
ARGENTEUIL



MICHELL'S DWARF BEANS

NOTE—CHANGE OF CUSTOM IN ORDERING

During the past few years the pound unit or system has taken the place of the pint, quart, peck and bushel system, so that it is now recognized as the proper quantity basis unit. We too have changed our method and are offering Beans, Sugar Corn and Peas by the pound instead of by the pint, quart, peck and bushel.

Large Packets of Beans, all varieties (except as noted), 10c. postpaid. Haricots Nains (Fr.); Buschbohnen (Ger.); Faginoli Nani (Ital.) Plant 90 lbs. per acre. 2 lbs. will plant a 100-foot row. If desired by mail, add for postage at the rate of 5c. per lb.

BY WAY OF COMPARISON

1 lb. equals about 1 pint
5 lbs. equal about 2½ quarts
2 lbs. equal about 1 quart
10 lbs. equal about 5 quarts
Should you still desire to order by the quart, peck or bushel system, you may do so and we will send the quantity nearest in pounds thereto. For each quart you desire allow two pounds in weight.

GREEN-PODDED VARIETIES

Black Valentine. Pods very long and slender, semi-round and well flavored, slight string when old. 35c. lb.; 5 lbs., \$1.60; \$3.00 for 10 lbs.; 25 lbs., \$6.75.

Canadian Wonder (Forcer). First-class Certificate Royal Horticultural Society of London after trial. A splendid variety, producing long handsome pods of superb quality. Suitable either for forcing, for general crop, or for exhibition. 85c. lb.; 5 lbs., \$4.00; \$7.50 for 10 lbs.

Early Long Yellow Six Weeks. The word yellow refers to the seed only, pod flat, very early, tender and long, slight string when old. 35c. lb.; 5 lbs., \$1.60; \$3.00 for 10 lbs.; 25 lbs., \$6.75.

Early Mohawk. This variety can be planted before any other sort, being quite hardy, large cropper, flat pod. 35c. lb.; 5 lbs., \$1.60; \$3.00 for 10 lbs.; 25 lbs., \$6.75.

Extra Early Refugee. An extremely early, fleshy, saddle-back pod variety, slight string as it ages. 40c. lb.; 5 lbs., \$1.75; \$3.25 for 10 lbs.; \$7.25 for 25 lbs.

Full Measure. A prolific stringless variety of excellent quality and great merit. 40c. lb.; 5 lbs., \$1.80; \$3.50 for 10 lbs.; 25 lbs., \$7.50.

Glory St. Andrew (New). See page 5 for better description. Round podded medium early dwarf grower, a great cropper. Pkt., 15c.; 50c. lb.; 5 lbs., \$2.25; \$4.25 for 10 lbs.; 25 lbs., \$9.00.

Mammoth Stringless or Giant Valentine. An improvement on Burpee's Stringless Green Pod, early round pod, free from string and, while not so prolific, makes a much larger pod. 40c. lb.; 5 lbs., \$1.80; \$3.50 for 10 lbs.; 25 lbs., \$7.50.

Red Valentine (Michell's Improved). A carefully selected stock of this well-known variety; its popularity is due to the fact that it is one of the earliest sorts, maturing often in 45 to 50 days. 35c. lb.; 5 lbs., \$1.60; \$3.00 for 10 lbs.; 25 lbs., \$6.75.

***Stringless Green Pod (Michell's Improved Strain).** Even when the pod has become quite old it still retains its stringless qualities. It recommends itself also by its extreme earliness, prolific and continuous bearing qualities and superior flavor. Can be planted successively through the season; round pods often seven inches long. The leading sort for the home or market garden. 25c. per ½ lb.; 40c. lb.; 5 lbs., \$1.80; \$3.50 for 10 lbs.; 25 lbs., \$7.50.

WAX OR YELLOW-PODDED VARIETIES

These should not be planted quite as early as the green varieties; they being more tender are liable to rot.

Black Wax (Pencil Pod Strain). A round-podded, hardy sort, entirely stringless, very early. 40c. lb.; 5 lbs., \$1.80; \$3.50 for 10 lbs.; 25 lbs., \$7.50.

Currie's Rust-Proof Wax. An improved type; extra early; a tremendous yielder with long, thick, flat pods. 40c. lb.; 5 lbs., \$1.80; \$3.50 for 10 lbs.; 25 lbs., \$7.50.

Davis' White Wax. A long, slender, thick, flat-podded sort. 45c. lb.; 5 lbs., \$2.15; \$3.75 for 10 lbs.; 25 lbs., \$8.25.

***Golden Wax Rust Proof (Michell's Improved Strain).** This type far surpasses the old favorite in many points; the plants are very vigorous and rust-resisting. The thick, flat, stringless pods are formed quite early and in great profusion. 25c. ½ lb.; 40c. lb.; 5 lbs., \$1.80; \$3.50 for 10 lbs.; 25 lbs., \$7.50.

Hardy Wax. An early round-podded sort of exceptional merit, very productive and remarkably hardy, perfectly stringless and in every way desirable. 45c. lb.; 5 lbs., \$2.15; \$3.75 for 10 lbs.; 25 lbs., \$8.25.

Mont d'Or (New). (See page 6 for description.) Pkt., 15c.; 50c. lb.; 5 lbs., \$2.25; \$4.25 for 10 lbs.; 25 lbs., \$9.00.

Round-Podded Kidney Wax. A vigorous grower, producing very fleshy pods, entirely stringless and rust-proof; very early. 45c. lb.; 5 lbs., \$2.15; \$3.75 for 10 lbs.; 25 lbs., \$8.25.

Refugee Ex. Ea. Wax. Round-podded, entirely stringless and of exceptional flavor. 40c. lb.; 5 lbs., \$1.80; \$3.50 for 10 lbs.; 25 lbs., \$7.50.

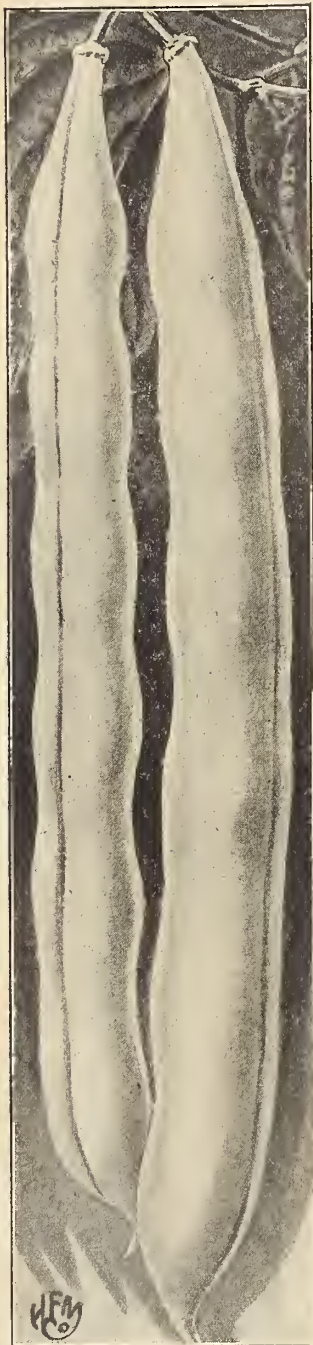
Sure Crop Stringless Wax. Very early and productive and very

hardy, resisting rust and disease with impunity. The pods are long, thick and flat; it is a splendid variety. 40c. lb.; 5 lbs., \$1.80; \$3.50 for 10 lbs.; 25 lbs., \$7.50.

Wardwell's Kidney Wax. A favorite market-bean; bears very long, thick, flat pods in great abundance; one of the best medium early sorts; excellent quality; free from rust. 45c. lb.; 5 lbs., \$2.15; \$3.75 for 10 lbs.; 25 lbs., \$8.25.

Please Note: Only Varieties of Beans marked * can be supplied in ½-lb. pkges.

(hb)



Improved Strain Golden Wax



Black Valentine

MICHELL'S DESIRABLE POLE BEANS (Not Limas)

11

NOTE CHANGE OF CUSTOM IN ORDERING

During the past few years the pound unit or system has taken the place of the pint, quart, peck and bushel system, so that it is now generally recognized as the proper quantity basis unit. We, too, have changed our method and are offering Beans, Sugar Corn and Peas by the pound instead of by the pint, quart, peck and bushel.

By Way of Comparison:

1 lb. equals about 1 Pint.

5 lbs. equal about 2½ Quarts.

2 lbs. equal about 1 Quart.

10 lbs. equal about 5 Quarts.

Should you still desire to order by the quart, peck and bushel system you may do so and we will send the quantity nearest in lbs. thereto. For each quart you desire allow 2 pounds in weight.

Haricots a Rames (Fr.); Stangenbohnen (Ger.); Figiuoli (Ital.)

LARGE PACKETS of all Varieties, except as noted, 10c. postpaid.



Golden Cluster Wax

Plant when all danger of frost or cold nights is over. Don't be afraid to put a liberal number in a hill, as this is cheaper than replanting; often one bean germinates where another won't, even on the same hill.

Plant as you would limas, in hills 4 feet apart each way, about 4 or 5 beans to the hill, eyes downward. When up and established, thin out to 3 plants in a hill. Plant about 10 quarts to the acre.

Pole Beans are not accorded in the north the same attention they deserve and receive in the southern part of the United States, where they are found in practically every garden. They are frequently more tender, yield larger crops than dwarf sorts. One planting lasts usually for the season. The secret of success in growing them is to keep picking them as they mature. They then continue to bear and yield quantities of tender beans of delicious flavor. If you've never grown them before try them this season.

POSTAGE NOTICE—If Pole Beans are desired by mail, add for postage as per table on page 1.

***Early Golden Cluster Wax.** A beautiful deep yellow pod, flat and frequently 8 inches long, makes a delicious dish as a butter bean or for pickling; quite stringless and matures in about 85 days. It is a heavy yielder, the pods being borne in large clusters. Quite easily the best of the pole beans and a splendid variety for the home garden. 25c. per ½ lb.; 45c. lb.; 5 lbs., \$2.15; \$4.25 for 10 lbs.; 25 lbs., \$9.00.

Scarlet Runner (Green Pod). While used principally for its flowering qualities, this makes a splendid winter shell bean. The bright red flowers are an attraction when the vine is used for covering arbors, trellis, fences, posts, etc. 45c. lb.; 5 lbs., \$2.15; \$4.25 for 10 lbs.; 25 lbs., \$9.00.

***Kentucky Wonder (Old Homestead).** Green Pod. In the south this variety is grown more extensively probably than any other; a tremendous yielder of long, round pods, very tender and practically stringless; the best of the green pole beans. It is quite early, being ready for picking about 85 days from planting. 25c. per ½ lb.; lb., 45c.; 5 lbs., \$2.15; \$4.25 for 10 lbs.; 25 lbs., \$9.00.

SHELL BEANS—For Winter Use

If there is any vacant space in the garden it always pays to plant some of these varieties. For soups, baked beans, etc., they are always useful. They can be used in the green state like other sorts when picked very young, but for the first-named purpose they are best.

***Boston Navy or Pea.** For soup and baking purposes. 20c. per ½ lb.; lb., 35c.; \$1.65 per 5 lbs.; \$3.00 per 10 lbs.; 25 lbs., \$6.75.

Broad Windsor. An English bean used in the dry state shelled. Plant in rows about 3 feet apart, about 8 inches apart in the row. 45c. lb.; 5 lbs., \$2.15; \$4.25 per 10 lbs.; 25 lbs., \$9.00.

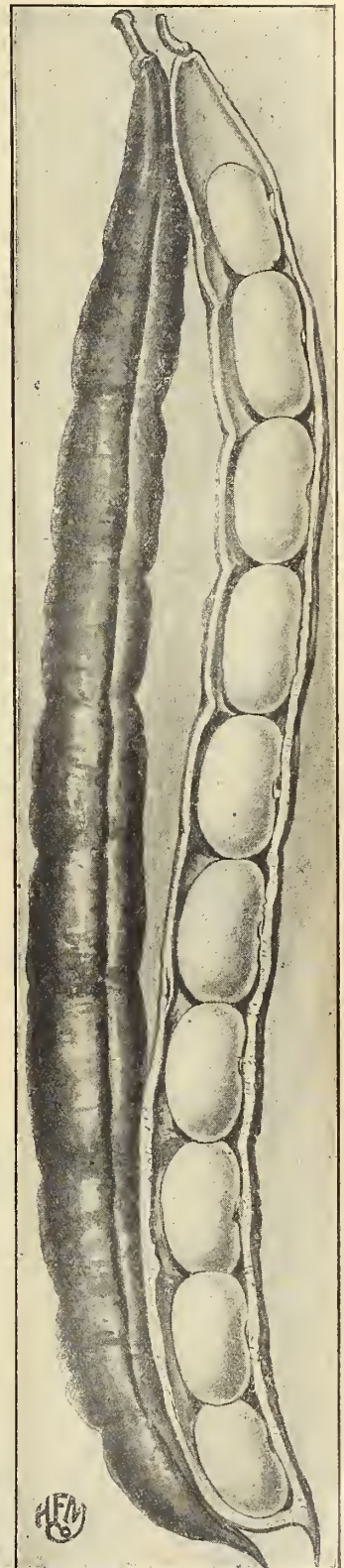
White Kidney or Royal Dwarf. 35c. lb.; 5 lbs., \$1.65; \$3.00 per 10 lbs.; 25 lbs., \$6.75.

White Marrowfat. 35c. lb.; 5 lbs., \$1.65; \$3.00 per 10 lbs.; 25 lbs., \$6.75.

Dwarf Horticultural. One of the best early shell beans grown, the thick, flat, stringless pods are colored red and green, the bean is large, round and speckled. 40c. lb.; 5 lbs., \$1.85; \$3.50 per 10 lbs.; 25 lbs., \$8.00.

PLEASE NOTE.—Only varieties of Beans marked * can be supplied in ½-lb. pkgs.

CEDAR BEAN POLES (Pointed). Extra selected quality, about 10 feet long. 12 for \$2.25; 25 for \$4.00; 50, \$7.75; 100, \$15.00.



Kentucky Wonder Bean

All Prices subject to change without notice

(hb)

MICHELL'S LIMA BEANS

Haricots a rames (Fr.); Stangenbohnen (Ger.); Fiquoli di Lima (Ital.)

POLE VARIETIES

One quart will plant 100 hills; 12 to 15 qts. per acre.

Plant when all danger of frost or cold nights is over with the eye of the bean down. Don't be afraid to put a liberal number in a hill, as this is cheaper than re-planting; often one bean germinates where another won't, even on the same hill. When all the beans have germinated that will grow, leave 3 or 4 remain in the hill. The poles should be set as soon as the garden is made in rows about 3 feet apart, with the poles about 3 ft. apart in the row. It is a good plan to put a small shovel of well-rotted cow manure in each hill when the poles are set, so the beans when started will make rapid growth and mature early.

POSTAGE NOTE.—Large Pkts. of all Varieties Lima Beans (except where noted). Postpaid, 10c. If large quantities are wanted by mail, add postage at the rate shown by table on page 1.

Carpinteria. A variety that retains its green color in all stages of growth, even after being dried; with this it germinates wonderful prolificness, flavor and size; a good early variety; 4 to 5 beans in a pod. 45c. lb.; 5 lbs., \$2.15; \$4.10 per 10 lbs.; 25 lbs., \$8.50.

Dreer's Improved Potato or Challenger. Early and more prolific than the Large Lima; beans small, extra quality. 45c. lb.; 5 lbs., \$2.15; \$4.10 per 10 lbs.; 25 lbs., \$8.50.

Giant Podded. This variety is fully a week earlier than King of the Garden. It is a prodigious cropper, producing its pods in large clusters. These are well filled with large beans of excellent quality. Pkt., 15c.; 45c. lb.; 5 lbs., \$2.15; \$4.10 per 10 lbs.; 25 lbs., \$8.50.

***King of the Garden.** Vigorous grower, producing a continuous bloom and fruitage to extreme end of season. Pods are of enormous size, many specimens measuring from 5 to 8 inches, producing as high as six beans to the pod, perfectly formed and of superior quality. 25c. ½ lb.; lb., 45c.; \$2.15 per 5 lbs.; 10 lbs., \$4.10; \$8.50 per 25 lbs.

Michell's Evergreen (See illustration of this variety on page 5). A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other, and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. The pods hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. All who grow limas should have this valuable variety in the home or market garden. Pkt., 15c.; 50c. lb.; 5 lbs., \$2.40; \$4.60 per 10 lbs.; 25 lbs., \$10.25.

Michell's Selected Large Jersey. The real old-fashioned large Lima that has been a favorite for years. Has proven exceedingly satisfactory; beans are very tender and luscious. An extra selection of seed stock; large fine beans, all hand picked. 45c. lb.; 5 lbs., \$2.15; \$4.10 per 10 lbs.; 25 lbs., \$8.50.

BUSH OR DWARF VARIETIES

Bush Limas should be planted for early crops, as they come into bearing much sooner, but are not so prolific as the pole varieties. They are usually planted in rows about 3 feet apart, while the beans are put in hills about 2 feet apart, about 3 beans to the hill.

Burpee's Improved Bush Lima. This is so far ahead of the old strain of Burpee's Bush Lima that it should be used instead; the bean is thicker, sweeter and earlier, being also more prolific. 50c. lb.; 5 lbs., \$2.40; \$4.75 for 10 lbs.; 25 lbs., \$10.25.

***Fordhook.** This is the best type of bush lima in cultivation; it has a distinct upright vigorous growth; the pods

are borne in clusters well above the ground, frequently contain as many as 4 thick luscious beans. It matures very early and continues in bearing till frost. 25c. ½ lb.; lb., 50c.; \$2.40 for 5 lbs.; 10 lbs., \$4.75; \$10.25 per 25 lbs.

Henderson's. The earliest sort; beans are flat, very small and tender, of excellent flavor; splendid variety for canning. 40c. per lb.; 5 lbs., \$1.75; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

Only Varieties of Beans marked * can be supplied in ½-lb. pkgs.

MULFORD GERM (Bean Bacteria)

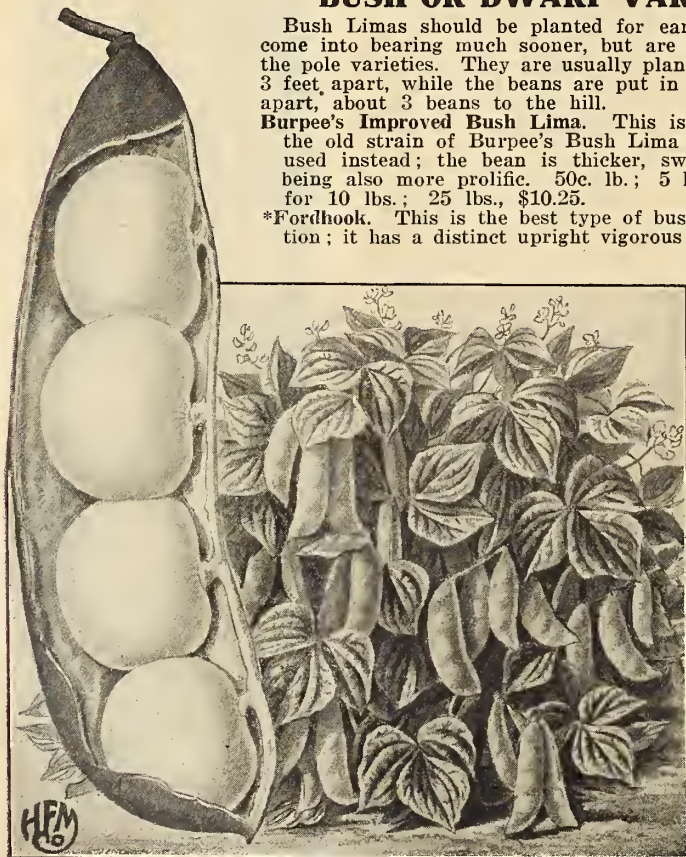
If you want your lima bean patch to yield earlier, better and more beans than usual, inoculate the seed before planting with Mulford Germ; easy to use, effective in results, making the soil richer. Per trial bottle, 25c.; per quarter acre bottle, 50c.

When ordering, be sure and specify wanted for lima beans, as each leguminous crop requires a separate culture.

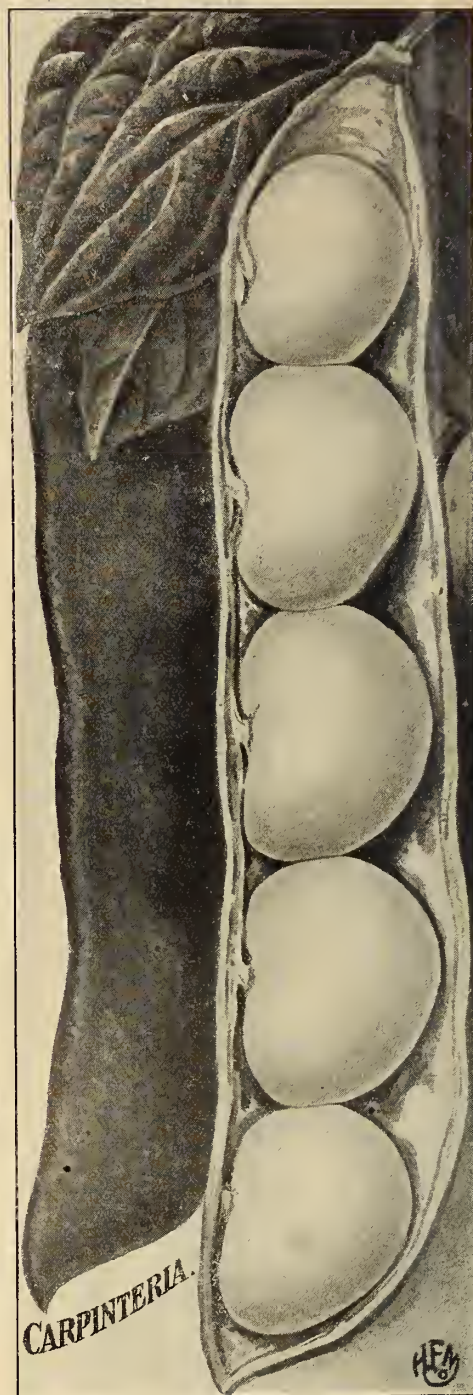
CEDAR BEAN POLES (Pointed) Extra selected quality. About 10 ft. long. 25 for \$4.00; 50, \$7.75; 100, \$15.00.

All Prices subject to change without notice

(hb)



Fordhook Bush Lima



MICHELL'S CHOICE BEET SEED

**CRIMSON
GLOBE**

**BASTIAN'S
HALF
LONG.**

**CROSBY'S
EGYPTIAN**



Betterave (Fr.); Salatrube (Ger.); Barbabietola (Ital.)
One ounce will sow a row about 50 ft. long; 5 lbs. are required to sow an acre

Prices of all seeds on this page include mailing charges.

The soil best suited for beet culture is that which is rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked; when the plants are large enough thin out to stand four inches apart in rows. For an early crop in hotbeds the seed should be sown in early March, while for a winter supply sow about July 10th outdoors.

Arlington Favorite. Extra early; exceedingly sweet, rich, blood red, turnip-shaped. Pkt., 10c.; 25c. oz.; $\frac{1}{4}$ lb., 85c.; \$3.00 lb.

Bastian's Extra Early. The best beet for market and family use, grows quite large, turnip-shaped. Pkt., 10c.; 25c. oz.; $\frac{1}{4}$ lb., 75c.; \$2.75 lb.

Bastian's Half Long Blood. Used extensively for winter use. Pkt., 10c.; 20c. oz.; $\frac{1}{4}$ lb., 60c.; \$2.00 lb.

Bassano (Extra Early). A flat variety, flesh white and rose colored, excellent used as a buttered beet. Pkt., 10c.; 20c. oz.; $\frac{1}{4}$ lb., 60c.; \$2.00 lb.

Crimson Globe. Almost round in shape, of a rich deep red color, it has a distinct delicious flavor and is very tender, good for sowing early for forcing and summer use. Pkt., 10c.; 20c. oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 lb.

Crosby's Egyptian. One of the earliest beets, especially desirable on account of its rich blood-red color throughout, and its extreme tenderness. An early spring and winter variety and a good keeper. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.75 lb.

Detroit Dark Red. A desirable type of turnip-shaped beet, very tender, excellent for winter keeping. Pkt., 10c.; oz., 20c.; per $\frac{1}{4}$ lb., 60c.; \$2.00 lb.

Eclipse. Perfectly smooth and round, skin and flesh intense red. An excellent sort for forcing or for planting in the garden. Pkt., 10c.; 20c. oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 lb.

Edmand's Blood. A variety for early and late sowing, good flavor, turnip-shaped. Pkt., 10c.; 20c. per oz.; per $\frac{1}{4}$ lb., 65c.; \$2.00 per lb.

Lentz Early. Fine for sowing in hotbeds and outdoors early. It is a desirable winter variety also; blood-red. Pkt., 10c.; 20c. per oz.; per $\frac{1}{4}$ lb., 65c.; \$2.00 per lb.

Michell's Ideal (New). (Crop failed.)

Michell's Winter Keeper. (New). Globe shape, rich red, tender and sweet, one of the best winter varieties. Pkt., 10c.; 25c. oz.; $\frac{1}{4}$ lb., 85c.; \$3.00 lb.

BEETS. Swiss Chard (See Page 35)

Cattle Varieties or Mangel Wurzel (See Page 26)

BASIL (Herb). Pkt., 10c.; 35c. per oz.

BORAGE (Herb). Pkt., 10c.; 30c. per oz.

Borage (Herb). Pkt., 10c.; 30c. per oz.

BROCCOLI One ounce will produce 3,000 plants.

Broccoli (Fr.); Sparkelkohl (Ger.); Brocoli (Ital.).

A vegetable resembling cauliflower and often grown where the latter does not thrive. Cultural method is much the same.

White Cape. Pkt., 10c.; 40c. $\frac{1}{2}$ oz.; oz., 75c.; \$2.50 $\frac{1}{4}$ lb.

BRUSSELS SPROUTS

One ounce will produce 3000 plants.

Chou de Bruxelles (Fr.);
Rosenkohl (Ger.); **Berza de
Brusels** (Ital.).

Sow seed about May 15th; transplant when about 4 ins. high in rows 3 feet apart, 2 feet apart in the row. When heads begin to crowd, the lower leaves should be broken from the stem of the plant to give them plenty of room. They are best for cooking after they have had a slight frost.

Matchless Improved. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.25 per $\frac{1}{4}$ lb.; lb., \$4.00.

Brussels Sprouts Plants
(Ready in July)

25 for 25c.; 75c. per 100 (by mail, 85c.); per 1,000 \$6.00.



Brussels Sprouts

All prices subject to change without notice

(hb)


Early Jersey Wakefield

Early Summer

CABBAGE SEED IS VERY SCARCE

The severe winter of 1917 ruined practically all the cabbages that had been heeled in for planting out in the spring of 1918 to produce seed; what few heads remained were cared for to the best of the growers' ability, but the amount of seed produced was almost negligible, so that high prices prevail in the face of what is the shortest supply of cabbage seed for many years.

ORDER EARLY

Chou pomme (Fr.); Kopf Kohl (Ger.); Cavolo Cappuccio (Ital.)

One ounce will produce about 3,000 plants; 4 ozs. will produce enough for an acre.

Our strains are the very best to be had, selected from specimen heads in well rogued fields. Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 feet apart, and 12 to 18 inches apart in the row. The second early varieties sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet in rows. Never plant cabbage in the same location two years in succession.

All seeds on this page mailed post free

EARLY VARIETIES

All Head. The largest of the early cabbages. The head is roundish flat and remarkably solid, excellent for winter as well as early spring. Pkt., 10c.; 65c. per ½ oz.; oz., \$1.25; \$4.50 per ¼ lb.

Copenhagen Market. The earliest round variety in cultivation. The heads frequently weigh as much as 10 lbs. In this variety we offer a splendid sort, which should be planted by every cabbage grower. Pkt., 10c.; 65c. per ½ oz.; oz., \$1.25; \$4.50 per ¼ lb.

Early Jersey Wakefield (Improved Strain). The finest type of early cabbage in existence. A great improvement over the regular strain. It produces uniform pointed heads, and should be sown by every private and market gardener. The outer leaves form a protection for the heads, which enables it to set out earlier than other sorts. Pkt., 10c.; ½ oz., 60c.; oz., \$1.00; \$3.75 per ¼ lb.

Henderson's Early Summer. The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. A fine variety for following the early types, it makes a splendid solid head. Pkt., 10c.; 60c. per ½ oz.; oz., \$1.00; ¼ lb., \$3.75.

MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains a mine of information on things horticultural and agricultural. There is a free copy for you. Just say, "Send me 'Practical Garden Pointers'." A post card will do.

A book on the Culture of CABBAGE AND CAULIFLOWER, comprehensive, interesting and instructive, 60c. postpaid.

Testimonial

325 N. 61st Street, Phila.
We have a garden 119 x 38 feet which is planted with your seed; everyone who sees it claims it to be the best they have ever laid eyes on.
JNO. C. MONAHAN.

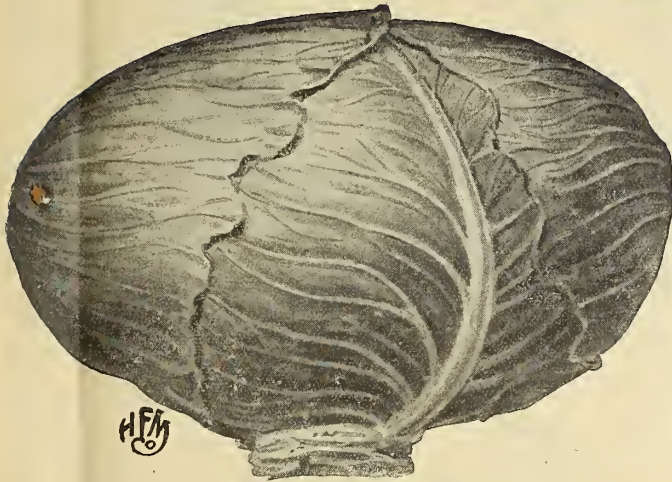

Danish Ball Head

Large Charleston Wakefield. Similar to the Early Wakefield, but the heads are more blunt, equally as solid, while it grows almost twice the size and matures one week later. Pkt., 10c.; 60c. per ½ oz.; \$1.00 per oz.; ¼ lb., \$3.75.

MICHELL'S CHOICE CABBAGE SEED (Continued)

15

All seeds on this page mailed postpaid to purchasers



Late Flat Dutch Cabbage

LATE OR WINTER VARIETIES

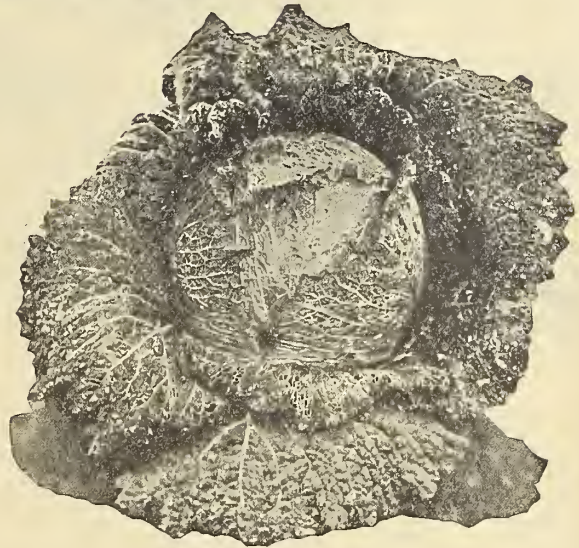
All Seasons (Vandergaw). A very large head, round and solid. It is valuable for late summer or winter use. 10c. per pkt.; 60c. per ½ oz.; oz., \$1.00; ¼ lb., \$3.50.

Danish Ball-Head (Michell's Improved Strain). This excellent winter cabbage is unequalled for its keeping qualities, massiveness and weight. For boiling, cole slaw, sauer kraut, etc., it is ideal, being crisp, tender and sweet. One of its virtues is that it does well under most any condition of moisture or drought; heads seldom burst. 10c. pkt.; ½ oz., 65c.; \$1.25 per oz.; ¼ lb., \$4.50.

Late Flat Dutch (Improved Strain). This has been selected especially for our trade, the seed being taken from the finest types of heads which are selected for solidity and uniformity. In a row or field of this strain every head appears uniform and its excellence is apparent. There is no better keeping cabbage in existence, being very solid. For sauer kraut it is unsurpassed. Pkt., 10c.; 60c. per ½ oz.; oz., \$1.00; \$3.50 per ¼ lb.

Perfection Drumhead Savoy. A beautifully crimped-leaved sort, color, a deep glossy green. The head is almost round. Savoy cabbage is distinctly flavored, being much sweeter than the other kinds. We recommend it highly, being one of the best cabbages of its kind grown for either market or home consumption. Pkt., 10c.; 60c. per ½ oz.; oz., \$1.00; \$3.00 per ¼ lb.

Red Dutch Cabbage. A red variety, used extensively for pickling. When cooked with a little port wine and sugar added to it, makes a dish fit for a king. Few people can appreciate it because they have never tried it. For cole slaw it has merits over the white kinds. It is principally used as a winter vegetable, keeping well until spring. Pkt., 10c.; 40c. per ½ oz.; per oz., 75c.; \$2.75 per ¼ lb.



Perfection Savoy Cabbage

PE-TSAI (CHINESE OR CELERY CABBAGE)

It resembles in appearance and growth a head of Cos Romaine or Celery Lettuce. The heads are very firm, almost like cabbage. The flavor is delightful, not at all like cabbage, but rather on the order of Witloof Chicory or French Endive. It can be planted as a spring or autumn crop. The head does not become as high then as when sown in spring, and is adapted in that season rather as a lettuce than as cabbage. May be forced readily in cold frame. The plants are handled much like lettuce, except that they should be set from 15 to 18 inches apart, the rows 2 to 2½ feet apart. Pkt., 10c.; ½ oz., 20c.; oz., 40c.; ¼ lb., \$1.25.

CABBAGE PLANTS

Early Sorts. (Ready in April.) From hotbeds. Early Jersey Wakefield and All Head only. Per 100, 60c.; \$5.00 per 1,000. From Cold Frames Transplanted. (Ready in April.) Early Jersey Wakefield and All Head only. Per 100, \$1.00; \$7.00 per 1,000.

Late Sorts. Danish Ball Head and Late Flat Dutch only. Ready July 1st. Per 100, 60c.; \$4.00 per 1,000.

If cabbage plants are wanted by parcel post add 15c. per 100.

CAULIFLOWER

Choux-Fleurs (Fr.); Blumenkohl (Ger.); Cavol-Fiora (Ital.)

One ounce of seed will produce about 3,000 Plants

Sow seeds in hotbeds or window boxes in February or March and transplant in cold frames. When hard frosts are over plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set in rows 3 feet apart, 2 feet apart in the row.

Danish Giant. An ideal variety for summer use, as it will stand more drought and heat than most other sorts; the heads are snow white. Pkt., 25c.; \$1.25 per ¼ oz.; per oz., \$4.50.

Early Snowball. For either forcing under glass in cold frames or outdoor spring planting, producing magnificent medium size white heads. Pkt., 25c. (large pkt., 50c.); \$1.25 per ¼ oz.; oz., \$4.50.

Half Early Paris. A well flavored small head, suited to growing outdoors only. Pkt., 10c.; 50c. per ¼ oz.; oz., \$1.50.

Michell's Earliest Snowstorm. Colossal heads of purest white, averaging often 10 inches in diameter; especially desirable for its earliness under glass, but does equally well in late spring, summer or autumn outdoors. Pkt., 25c. (50c. per large pkt.); ¼ oz., \$1.75; \$3.25 per ½ oz.; oz., \$6.00.

Michell's Special Strain Selected Erfurt. One of the earliest in cultivation; the head is not as large as the Snowstorm sort. Pkt., 25c. (50c. per large pkt.); ¼ oz., \$1.25; \$4.50 per oz.

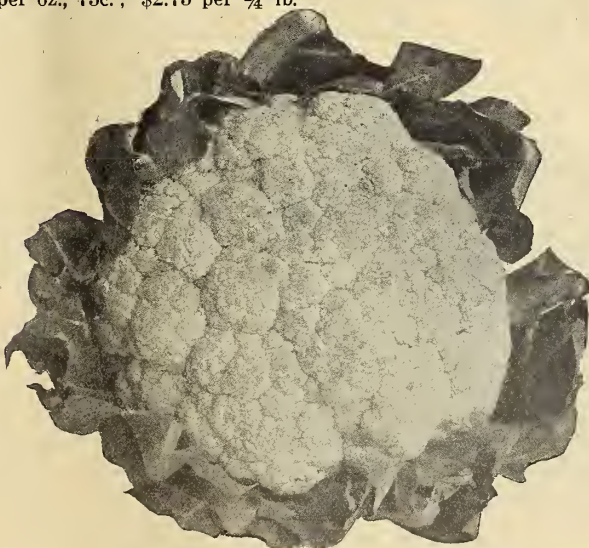
CAULIFLOWER PLANTS (Ready about April 1st)

Snowball variety only. Spring plants from hotbeds..	Dozen	100
	\$0.25	\$1.50
Snowball variety only. Pot-grown plants	75	5.50

Pot-grown cauliflower plants cannot be sent by parcel post successfully. If hotbed plants are wanted by parcel post, add 5c. per doz. or 15c. per 100 for postage.

CARAWAY (Herb). For flavoring, etc. Pkt., 10c.; 35c. per oz.

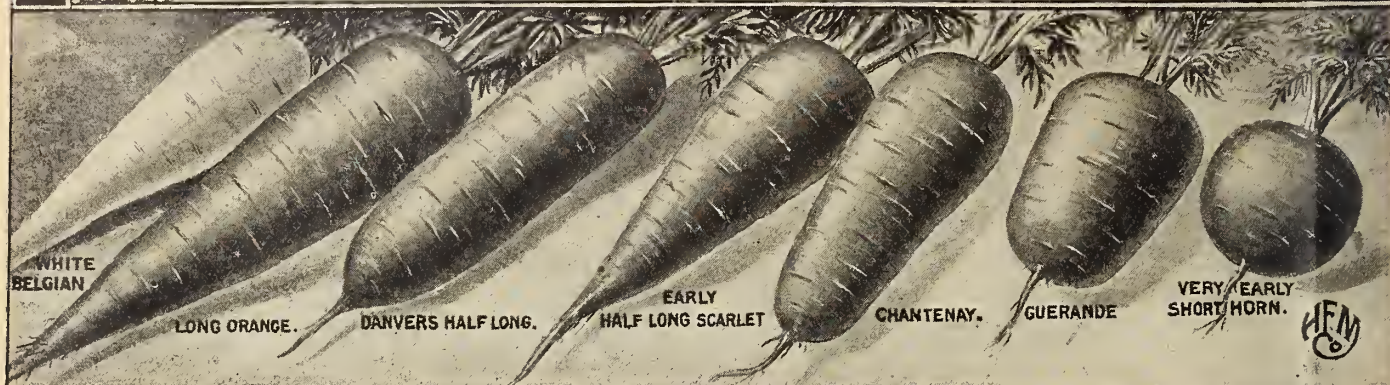
CATNIP (Herb). For making tea, a cat tonic, etc. Pkt., 15c.



Michell's Earliest Snowstorm Cauliflower

All Prices subject to change without notice

(hb)



All seeds on this page mailed postpaid at quoted prices.

Carotte (Fr.); Mohrruben (Ger.); Carota (Ital.)

One ounce will sow 100 ft. of drill; 3 to 4 lbs. per acre.

For an early crop sow as soon as danger from frost is over in rows 1 foot apart; when 2 inches high, thin out to stand 2 ins. apart in the row. For a late crop sow in May or June. The long sorts should be sown early, the half-long and round sorts can be sown later.

Chantenay Half-Long. Fine orange scarlet color, very productive; especially desirable for market or home use. The flesh is tender, firm and finely grained; 5 inches long, stump-rooted. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 lb.

Danvers Half-Long. The best variety for general crop; rich orange color, a very heavy yielder and splendid keeper, a first-class carrot for all soils, and valuable both for table and stock, 6 to 7 ins. long, stump-rooted. We have an extra fine strain of this favorite sort. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 lb.

Early Half-Long Scarlet. A very desirable pointed root variety, coming in between the Scarlet Horn and the Long Orange; early, of fine flavor and good color, can be sown in hotbeds for early use, for which purpose it is very good; 5 to 6 inches long. Pkt., 10c.; 20c. oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 lb.

Early Scarlet Horn. A favorite early red variety, fine grain and good flavor; stump rooted, about 6 inches long, ideal for soups. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 lb.

Guernsey or Oxheart. A desirable variety on soils too hard and stiff for the longer growing sorts, as it is not over 3 or 4 inches long. It has a very fine flavor and is colored a rich orange. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 lb.

Improved Long Orange (Michell's Special Strain). Deep orange color, 10 inches long, good flavor, yields heavily; is of excellent table quality, and is also the best for stock feeding; point rooted. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 lb.

Orange Beauty. A first-class carrot in every respect. This variety is a special selection of a popular sort which it excels in every way; a beautiful shade of orange; point rooted. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.75 lb.

Rubicon Half-Long. The best in shape, and its deep red orange-colored flesh is of finest quality; stump-rooted. It is earlier than the Danvers and about the same length; extremely well adapted for early forcing and for growing outside. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.75 lb.

Very Early Short Horn Scarlet or French Forcing. An early forcing variety; small round root, not much larger than a radish. For stewing alone or when served with new peas, it is a rare delicacy hard to imagine unless you have eaten thereof. It may be sown outdoors as well as under glass. Pkt., 10c.; 20c. oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 lb.

White Belgian. Used principally for stock, not being desirable for table, produces a long thick white root. It is also used for soiling or turning under; being a valuable humus maker. It is about 8 to 10 inches long with a green top. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

CHIVES (Schnittlauch)

Indispensable for flavoring certain dishes, imparting a mild taste of onion. The plants are hardy and will last for years; don't cut the plant too close when gathering. For winter use, lift and plant in a pot or box and place in a sunny window in the kitchen. Seed. Pkt., 20c.

Strong Plants. 15c. each; doz., \$1.50; \$10.00 per 100.

CORIANDER (Herb)

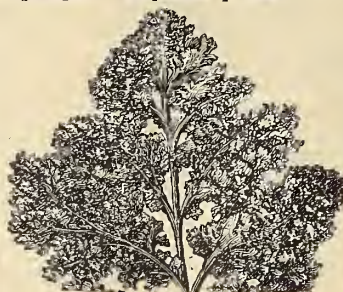
For flavoring, etc. Pkt., 10c.; 25c. per oz.

ORDER SEEDS EARLY—Some items are short in supply.

CHERVIL

One ounce will sow a row 25 feet long.

An aromatic plant used extensively in Europe as a salad garnishing and seasoner. It adds a flavor that is entirely its own. When chopped fine and scattered on buttered potatoes it is a rare treat. American gardeners should become familiar with this, as they are missing one of the best things that grow. Sow it in a row like parsley, which it somewhat resembles. For a continuous crop, sow every two



Chervil

weeks; if one has heated frames or a greenhouse it can be sown under glass all winter or in hot-beds in February. It can be cut 4 or 5 weeks after sowing.

Double Curled. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; \$2.00 per lb.

CHICORY

Witloof. The roots are easily produced from seed, sown in May or June in rows as one would endive. They are taken up after a few hard frosts and cared for as one would Turnips or similar crops. Used only as a winter vegetable, the top part only being edible. Plant under a bench in the greenhouse or a light, dry, warm portion of a cellar in a bed of rich garden soil 12 inches deep. Place about 6 inches apart each way. The top growth remains intact, as the illustration shows, and may be cut any time after 5 inches growth, before the heads begin to expand. Roots should be set in the soil the same depth as they were originally in the garden. A continuous supply of this delicious winter vegetable can be had from December 1st to April 1st. A cold frame makes also an ideal place for forcing them in the late winter or early spring months. Pkt., 10c.; 35c. per $\frac{1}{2}$ oz.; 60c. per oz.; $\frac{1}{4}$ lb., \$2.00.



COLLARDS

Four ounces seed will produce enough to plant an acre.

These are extensively grown in the south and used as greens during the winter months. In that latitude the plant is practically hardy. The lower leaves are pulled off and used, when new ones then form on the upper part of the stem, which increases in height. They are planted much like cabbage. They also make splendid winter food for poultry and lambs.

Georgia or Southern. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.25 per lb. postpaid.



Collards



Mitchell's Easy Blanching Celery

MICHELL'S CHOICE CELERY

Celeri (Fr.)—Sellerie (Gr.)—Sedano (Ital.)

One ounce of Seed will produce 3000 to 5000 plants; half-pound is sufficient for one acre

Sow in hotbeds in March or in open ground in April. See that no weeds infest the seed bed; when 3 inches high transplant in a bed outdoors in rows 3 inches apart each way, let them remain there until July, when they should be planted where they are to mature, in rows 3 feet apart, 6 inches apart in the row. Celery Plants if topped a few times before and when transplanted into their permanent growing place will make shorter stockier plants.

SEEDS OFFERED ON THIS PAGE MAILED AT QUOTED PRICES

EARLY VARIETIES

Easy Blanching. A splendid first early variety, being ready in October, producing enormous thick stalks which are very crisp. For full details on this variety see Page 6. Pkt., 15c.; 60c. per ½ oz.; oz., \$1.00; \$3.00 per ¼ lb.

Golden Self Blanching (French Grown Seed). One of the earliest and most productive sorts. The beautiful golden-colored stalks attain a height of 18 inches, which are never pithy, of excellent flavor, ready in October, but may be kept for early winter use. Pkt., 15c.; 60c. per ½ oz.; oz., \$1.00; \$3.50 per ¼ lb.

Golden Self Blanching (American Grown Seed). Pkt., 10c.; 30c. per ½ oz.; oz., 50c.; \$1.75 per ¼ lb.

Pink Plume. A splendid table novelty, excellent flavor and very crisp and not stringy. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.

Rose Ribbed Paris Self Blanching. A very solid, crisp, desirable sort; the stalks when blanched are a beautiful rose-pink. On the table it is quite an attraction and should be grown more extensively. (Crop failed.)

White Plume (Mitchell's Private Stock). The standard early celery for market and the home garden. The stalks and heart, which blanch very quickly to almost a pure white, are very crisp and brittle. It can be used early in November and is of the finest quality. Our strain of seed is very superior in every way. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.50 per ¼ lb.

LATE WINTER VARIETIES

New York (New). The earliest Celery in cultivation. Very large and solid and of excellent qualities. Self blanching. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.

Giant Pascal. It is in its prime for use during February and March, and can be used well up into spring. Pkt., 10c.; ½ oz., 15c.; 30c. per oz.; ¼ lb., \$1.00.

Winter King. Perfectly solid, crisp and of a delicious flavor. Blanches well and will keep longer than any other variety. Pkt., 10c.; 20c. ½ oz.; 40c. per oz.; ¼ lb., \$1.25.

Winter Queen. A medium tall, solid variety; will retain its qualities long through the winter. The heart is very full and large. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 85c. ¼ lb.

New Columbia. A new variety of great merit, a medium tall sort, producing a large, heavy stalk; has splendid keeping qualities. Pkt., 10c.; ½ oz., 25c.; oz., 50c.; \$1.75 per ¼ lb.

Celery Plants. (Ready in July). Leading varieties. Per 100, 75c.; per 1000, \$6.00.

Celery for Flavoring. Not for sowing. ¼ lb., 20c.; lb., 50c.

Celery Paper. For winter protection; 500 sq. ft.; per roll, \$2.25.

Celery Tape. Fast red, in 1000-yard spools, \$6.50 per spool.

CELERIAC

This vegetable is used for two purposes: The leaves are cut when young and used to flavor soups and meats. The roots are boiled, sliced, cooled, and served as a salad.

Giant Prague. Pkt., 10c.; ½ oz., 15c.; oz., 30c.; ¼ lb., \$1.00.

CITRON

This will be found described further under the heading of melons, a few hills of this should be grown by all who have space, as dried citron is always useful in making cakes, flavoring, etc. Pkt., 10c.; oz., 15c.; 50c. per ¼ lb.; per lb., \$1.50.

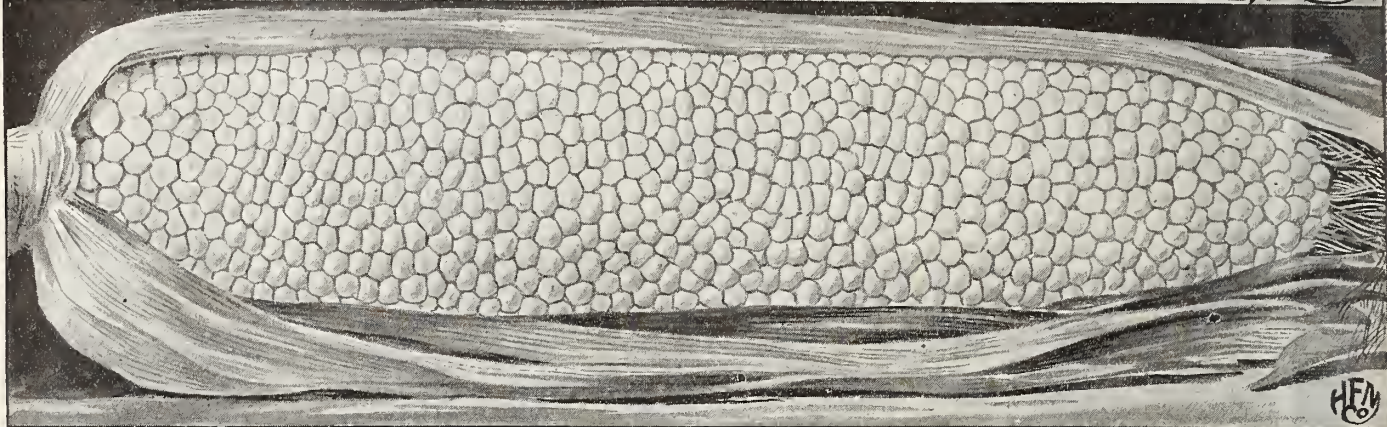
CHARD See Swiss Chard, page 35.



Testimonial.

West Chester, Pa.
Your Stowell's Evergreen Sugar Corn was 2 to 3 weeks earlier than any one else's in this locality and it was fine.
R. E. WILEY.

MICHELL'S SELECTED SUGAR CORN.



Country Gentleman Corn, Michell's Improved Strain

Mais (Fr.); Welschkorn (Ger.); Grano Turco (Ital.)

One quart will plant about 200 hills, 9 to 10 quarts will plant an acre
Large Packets of all Varieties, 10 cents, postpaid

Plant once a week from the time the ground is permanently warm until July 15th, 6 to 8 grains in hills three feet apart each way, or in rows three feet apart; if the latter, thin out so the plants stand 12 inches apart; if left in hills, thin out when 4 inches high to 3 to 4 strong plants to the hill. The varieties should be planted for a late crop to be sure of maturity.

NOTE.—If corn is wanted by parcel post, allow for mailing as per parcel post table on Page 1.

NOTICE.—Re-change of custom in ordering. Beans, Sugar Corn and Peas are now offered by the pound system instead of pint, quart, peck and bushel. By way of comparison

1 lb. equals about 1 pint	5 lbs. equals about 2½ quarts
2 lbs. equals about 1 quart	10 lbs. equals about 5 quarts

If you still desire to order by the pint, quart, peck and bushel you may do so and we will send the nearest number of pounds to the quantity you specify.

EARLY VARIETIES

Bantam Evergreen. Another yellow Sweet Corn noted for its excellent qualities, much larger than Golden Bantam and claimed to be more productive, it is also claimed to be considerably earlier (some say two weeks) than Golden Bantam, it makes also a splendid variety for mid and late season planting. Lb., 40c.; 5 lbs., \$1.85; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

Crosby's Extra Early. An old favorite sort. Ears small, grain exceedingly sweet, heavy producer. The old time gardeners still rely on this sort for their first picking. Lb., 40c.; 5 lbs., \$1.85; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

Early Evergreen. This variety is closely allied to Stowell's in shape, flavor and style, but is much earlier, produces large well-shaped ears with deep grains. Lb., 40c.; 5 lbs., \$1.85; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

Early Mayflower. Slightly earlier than Golden Bantam. The stalk is only about 4 feet high, but the ears are exceptionally long and well filled for such an early Corn. The grains on the ear are very tender and the eating quality is excellent. The ears average 7 inches in length, growing very close to the stalk. We cannot urge our customers too strongly to become acquainted with Early Mayflower. Lb., 40c.; 5 lbs., \$1.85; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

***Golden Bantam.** Yellow in color, this is one of the sweetest and earliest corns. The ears are medium size, kernels tender and delicious. The plant is of dwarf growth, we recommend it very highly for the home garden. Plant it for your early picking. ½ lb., 25c.; 40c. lb.; 5 lbs., \$1.85; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

Golden Cream. This variety is the result of a cross between Country Gentleman and Golden Bantam and combines the excellent qualities of both. When picked ripe is a very light yellow; after being cooked it turns darker, but not quite so much as Golden Bantam. Lb., 40c.; 5 lbs., \$1.85; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

PLEASE NOTE.—Only varieties of Sugar Corn marked * can be supplied in ½ lb. Packages.

Howling Mob. A splendid sort for the market gardener, as well as for home use. Might be classed worm-proof since the husk covers the ear completely and in a tight fashion. It follows the Adams Extra Early types, which are not near so sweet. Lb., 35c.; 5 lbs., \$1.65; \$3.00 for 10 lbs.; 25 lbs., \$7.00.

Ideal. The grower of this variety has been carefully selecting it for many years, it is an exceedingly early and large yielder. It is not quite as sweet as some other varieties, it is though, nevertheless, well flavored and its extra early feature outweighs all other points against it. It comes in sooner than other white-kernel varieties like Adams Extra Early. Lb., 35c.; 5 lbs., \$1.65; \$3.00 for 10 lbs.; 25 lbs., \$7.00.

Kendel's Early Giant. Large ears, deep grain, well flavored and extra sweet. The ears are very cylindrical. An ideal sort for the first and last planting. Just the variety to grow for market garden trade, it gives the housewife a lot of splendid quality for her money. Per lb., 40c.; 5 lbs., \$1.85; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

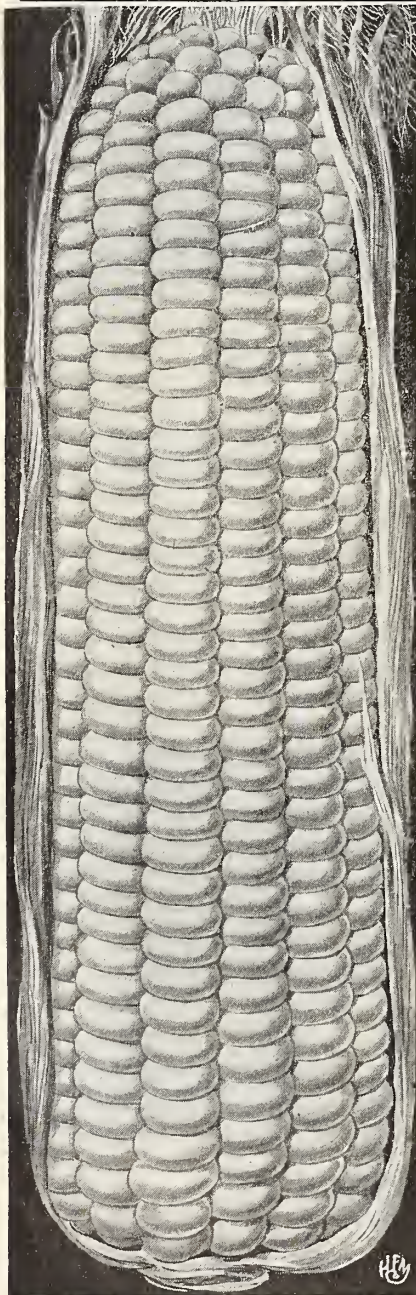
***Stabler's Extra Early.** This is the standard sort for the home garden. The large ear is well arrayed with even grains which cook pure white and are very tender. Per ½ lb., 25c.; 40c. lb.; 5 lbs., \$1.85; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

SUGAR CORN ON EARS

Many planters prefer to buy seed sugar corn on the ear. We have selected specimens of Country Gentleman, Stowell's Evergreen, Kendel's and Stabler's. 20c. each; per doz., \$2.00; \$15.00 per 100.

CHOICE FIELD CORN FOR SEED

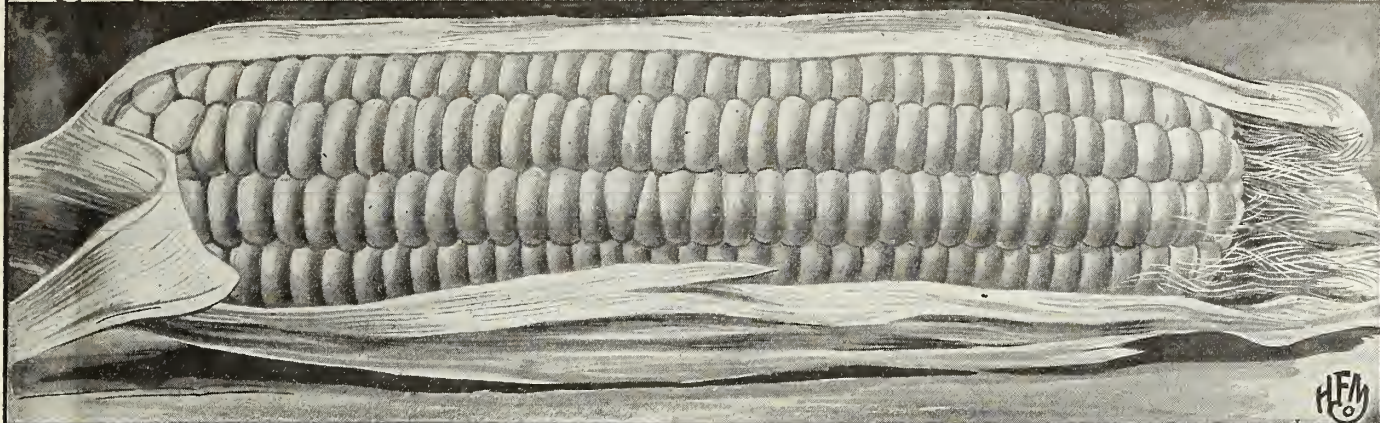
We are headquarters for the leading varieties. (See page 39.)



Michell's Delicious. (See page 19)

MICHELL'S SELECTED SUGAR CORN

19



Golden Bantam

NOTE.—Re-change in custom of ordering. Beans, Sugar Corn and Peas are now offered by the pound system instead of by the pint, quart, peck and bushel.

1 lb. equals about 1 Pint 5 lbs. equals about 2½ Quarts
2 lbs. equals about 1 Quart 10 lbs. equals about 5 Quarts

If you still desire to order by the pint, quart, peck and bushel system you may do so, and we will send the quantity in pounds nearest to your order.

NOTE.—Large packets of all varieties Sugar Corn, 10c., postpaid. If larger quantities are wanted by parcel post, allow for postage charges as per table on page 1.

MEDIUM AND LATE VARIETIES

Black Mexican. A medium late variety, reputed to be without exception the sweetest corn grown; while the grains are young they cook white, as the ear becomes older it cooks a violet shade on the outside, but in either stage of growth it is desirable. The ears are medium sized and are produced abundantly. 40c. lb.; 5 lbs., \$1.85; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

***Country Gentleman** (Michell's Improved Strain). A distinct sort, with deep, fine grains which are staged irregularly on the cob. In sweetness it is unapproached, and for this reason it should recommend itself to every planter. The ears are large and borne on stalks about 6 feet high, a very productive variety and desirable for either home or market use. Our Improved Strain is a careful selection of the finest type of ears from stalks, making a larger than usual yield and will give splendid satisfaction. 25c. per ½ lb.; 40c. lb.; 5 lbs., \$1.85; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

Little Gem or Shoe Peg (Ne Plus Ultra). This variety is closely allied to Country Gentleman and resembles it so closely that it is difficult to separate the two. 40c. lb.; 5 lbs., \$1.85; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

Michell's Delicious. The name hardly describes this sort. Some twenty years ago it was selected by an old-time Philadelphia gardener who bred it until he had it perfect. Ever since we acquired control thereof we have placed it with our best sugar corn grower in New England with instructions to grow it for us exclusively and keep reselecting it. The ears are well filled, medium in size and mature after the early varieties. 40c. lb.; 5 lbs., \$1.85; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

***Stowell's Evergreen** (Michell's Improved Strain). The best late corn grown. The ears are extra large, produced in great abundance, stalks often grow to a height of 7 feet. In sweetness it is unexcelled, and for this reason it is the great favorite of the market and home gardener. Our strain has been reselected and represents not only a superior quality, but a most distinct advance in every way of this splendid variety. 20c. per ½ lb.; 35c. lb.; 5 lbs., \$1.65; \$3.00 for 10 lbs.; 25 lbs., \$7.00.

POP CORN

There is hardly a home in this vast country where the popping of corn is not considered an excellent pastime during the long, dreary evenings of winter. When popped, buttered and sugared it is not only delicious, but healthful. Not all popcorn is in the right condition for popping. What we offer, however, can be relied upon for planting and popping.

Queen's Golden (Pops white). Lb., 25c.; 65c. for 3 lbs.

White Rice. Lb., 25c.; 65c. for 3 lbs.

CORN POPPERS

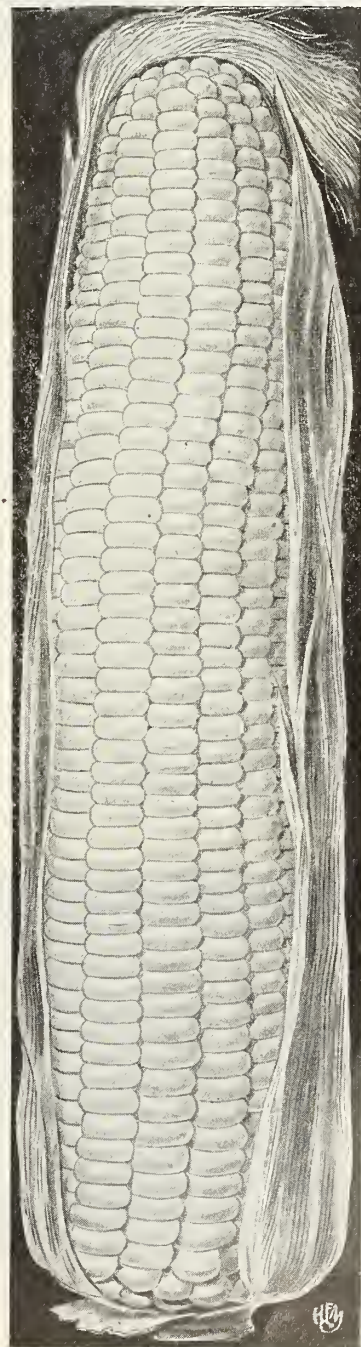
Made of best quality wire. Price includes handle and lid. 1 qt. size, 25c.; 2 qt. size, 35c.

CORN SALAD (Fetticus)

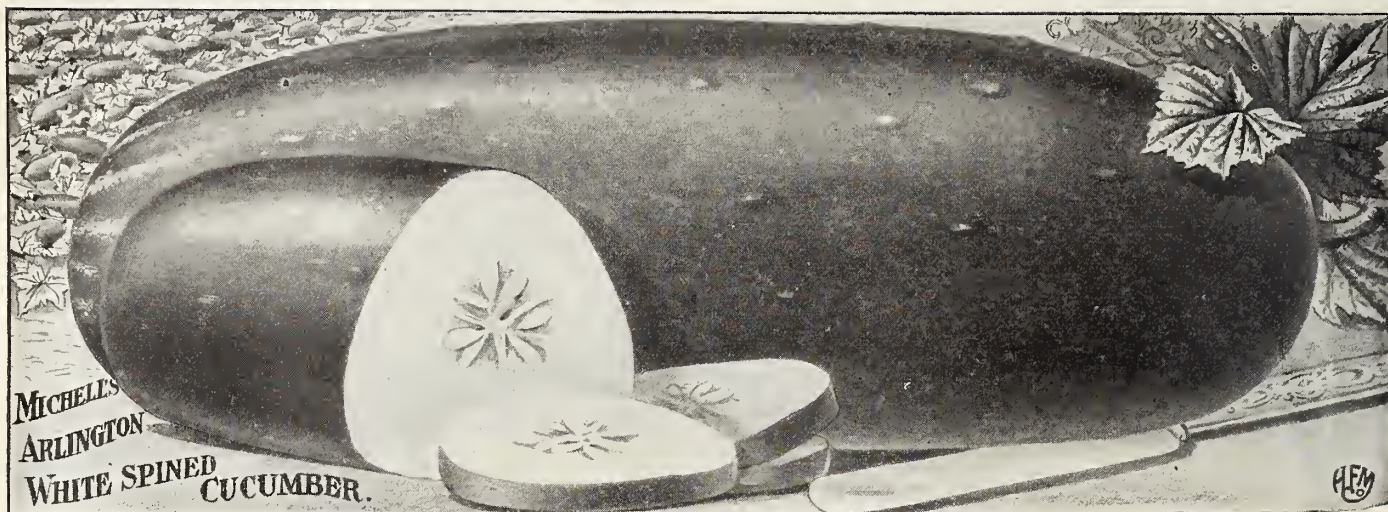
Mache Ronde (Fr.); **Ackersalat** (Ger.)

This is principally sown for a supply of greens during winter and early spring months. Sow in September broadcast; when cold weather approaches, cover with a litter of leaves or long manure or straw, and upon approach of spring the covering can be taken off entirely. It can also be gathered on mild days during winter.

Large Leaved, Round Seeded. Pkt., 70c.; 20c. per oz.; ¼ lb., 65c.; \$2.25 per lb.



Stowell's Evergreen



CUCUMBER

Concombre (Fr.); Gurken (Ger.); Cetriolo (Ital.). One ounce of seed will plant 60 hills; 2 to 3 pounds per acre

All seeds on this page mailed post free at prices quoted.

Plant when the ground has become thoroughly warmed, in hills 4 feet apart each way, 8 seeds in a hill; when the second set of leaves have formed thin out to 4 plants in a hill. A type of beetle attacks this crop occasionally, which can be conquered by spraying the vines with Pyrox or Arsenate of Lead; when this is used always wash the fruits thoroughly before using. If the foliage is attacked beneath, by aphid or green fly, a spraying with Black Leaf 40 is usually very effective.

Davis' Perfect. This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniform in shape and size, measuring often 10 to 12 inches. Its color is dark green all over and it is quite smooth and very productive. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.25 per lb.

Emerald. A dark green early sort, very smooth and prolific, it grows very straight, measuring on the average 8 inches. It is not as thick as some sorts, thus making it valuable for slicing. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.25 per lb.

Evergreen. The name is derived from the feature of its dark green color-retaining qualities, a thick fruit measuring about 8 to 9 inches long. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

Gherkin or Burr Cucumber. For pickling only; the small fruits are roundish, about 2 inches long; very prickly when green. Pkt., 10c.; per oz., 20c.; 65c. per ¼ lb.

Japanese Climbing. A trellis variety used for shade as well as eating purposes. The vine is very ornamental, producing extra long light green fruits in abundance. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

Jersey Pickle or Green Prolific. This sort can be used for slicing, but is best for pickling on account of its size, which averages 5 inches; makes ideal "Dill Pickles" as sold extensively in the delicatessen stores. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.25 per lb.

Long Green Turkey. This is one of the large varieties, used principally for slicing. Its dark color makes it desirable for market. The vines are very vigorous and productive, the fruits are formed almost as early as the short sorts; they are firm, crisp and have a fine flavor. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.50 per lb.

White Spined (Michell's Arlington Improved). This cucumber is absolutely perfect in form, color, size and productiveness, and is, therefore, the leading sort not only for the home or market garden, but also with those who make a specialty of growing them under glass. The fruit is smooth, deep green to the tip and measures uniformly 8 inches in length. It has few seeds, making it a valuable variety for slicing or pickling. A splendid keeper, retaining its color remarkably; the seed we offer is an extra selection. Pkt., 10c.; 20c. per oz.; 65c. per ¼ lb.; lb., \$2.25.

ENGLISH CUCUMBERS

These are splendid for growing in hotbed frames during the summer months, in preference to the open garden ground. They can thus be started earlier and protected during cool nights, as they are more tender than the regular outdoor varieties. They may also be grown under glass in greenhouses during the winter, producing enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them.

Lockie's Perfection, Sion House, Telegraph, Tender and True. Per packet of 12 seeds of either of the 4 sorts above, 30c. pkt.; \$2.25 per 100 seeds.

WATER CRESS

This desirable cress may be sown early in spring near the brink of a pond or spring water or piece of running water. Just scatter the seed and it will sprout and grow with wondrous rapidity; once established it remains for years, re-seeding itself. **True Erfurt.** Pkt., 10c.; 40c. per ½ oz.; oz., 75c.; \$2.50 per ¼ lb.

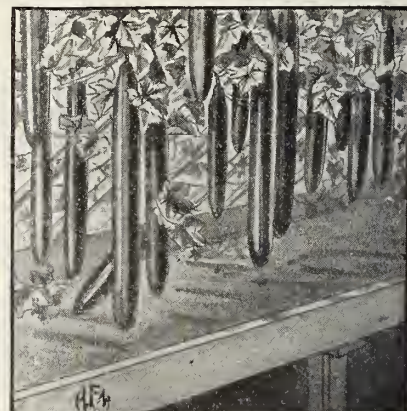
GARDEN CRESS (Pepper Grass)

Sow thickly in early spring in drills one foot apart, and follow every two weeks, up to August 1st, with a new sowing, as it quickly runs to seed. Its very desirable pungent taste is acceptable to most any one who is fond of garden greens. It is eaten prepared with either a little salt and vinegar, or without. Makes a very tasty salad.

Extra Curled. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.



Water Cress



English Greenhouse Cucumbers

All prices subject to change without notice

(hb)

MICHELL'S VEGETABLE SEEDS

21

All seed on this page mailed postpaid to purchaser at prices quoted.

DANDELION

Pissenlit (Fr.); Loewenzahn (Ger.); Amargon (Ital.)

While this name applies to what is generally considered the most obnoxious of weeds, in a cultivated form it is a valuable vegetable, grown in quantities for the New England markets, where it is prized as the first spring greens. The leaves, which are very fleshy, are boiled and served hot or cold; not alone is it appetizing, but very healthy and highly recommended by physicians. Seed should be sown in spring thickly in a bed in the garden, where the plants should remain for the season; late in the fall cover the bed with a movable sash or leaves or salt hay for protection. To be real tender it must be used very early in the spring, after which the bed should be destroyed, unless it is desired to make wine from the flowers. A new bed should be made each season.

Thick Leaved or Cabbaging. Pkt., 10c.; $\frac{1}{2}$ oz., 60c.; per oz., \$1.00; \$3.00 per $\frac{1}{4}$ lb.

DILL Herb (Annual)

Used extensively for culinary use and for putting with cucumbers when pickling, producing the famous "Dill Pickles." Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

EGG PLANT

Aubergine (Fr.); Eierpflanze (Ger.); Petonciano (Ital.)

One Ounce will produce about 2000 plants

Sow seed in March in hotbeds and when 3 inches high transplant into small pots or otherwise. Plant outdoors in May or June, or after the weather has become permanently warm, in rows 3 feet apart, with the plants set 2 feet apart in the row.

SELECTED NEW JERSEY GROWN SEED

Black Beauty. An extra early large variety, almost black in color, very prolific and with few seeds. Pkt., 10c.; 40c. $\frac{1}{2}$ oz.; oz., 75c.; \$2.50 per $\frac{1}{4}$ lb.

Mitchell's New York Improved. An old standard, quite large and more elongated than the Black Beauty, with a rich purple color. Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; oz., 60c.; \$2.25 per $\frac{1}{4}$ lb.

EGG PLANT PLANTS

(Ready May 15th)

New York Improved, Black Beauty. Pot grown at our own nurseries. 7c. each; doz., 75c.; \$5.50 per 100. Pot grown Egg Plants cannot be mailed satisfactorily.

FENNEL (Herb) 10c. Pkt; Oz. 25c.

HERBS

(For culinary and medicinal purposes, list will be found on page 37.)



Horse Radish

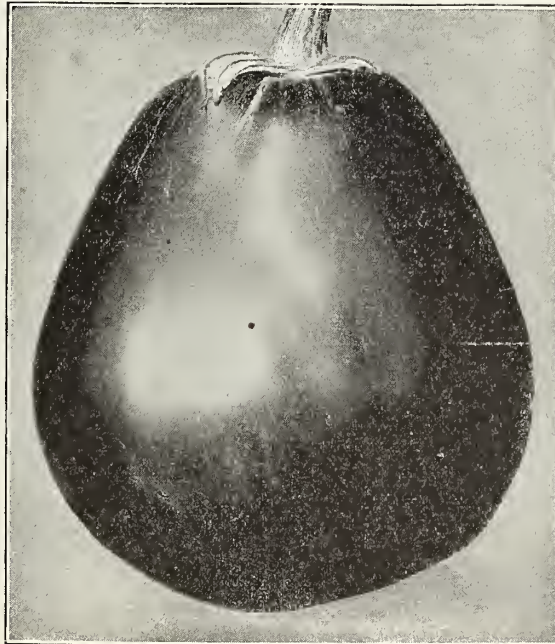
HORSE RADISH ROOTS

Raifort (Fr.); Meerrettig (Ger.); Raffano (Ital.) (Ready in March)

Set the roots in spring in rows 6 inches apart, about the same distance in the row. Late in the fall lift as many roots as you think you will use, cut off the top, place them in a cool cellar covered with soil or sand; grate as wanted. A bed once planted remains for years.

Maliner Kren (Bohemian).

Quick-growing variety, now the very best horse radish grown and far superior to the common variety which we have discontinued. Large, strong cuttings, 30c. per doz.; per 100, \$1.00 (postpaid, \$1.10); \$7.50 per 1000.



Egg Plant, Black Beauty

White Curled (self-blanching). This is the finest White Curled variety; always crisp and tender. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 per lb.

GARLIC SETS

Ail (Fr.); Knoblauch (Ger.); Aglio (Ital.)

A hardy flavoring onion, used extensively in the French method of cooking. This variety should not be compared with the common field sort, as this produces large bulbs. Plant and harvest the same as onions. 50c. per lb.; \$2.40 for 5 lbs.

HOP VINE

Besides being used in culinary and medicinal ways, this makes a valuable shade plant, placed on arbors, trellises, etc. It is hardy and rarely winter kills. The hops are gathered about September and stored for use on a dry floor or hung in bags.

Pot-Grown Plants, Green Variety. 20c. each; doz., \$2.00; \$15.00 per 100.



ENDIVE

(Sometimes called Chicory)

Chicoree (Fr.); Endivien (Ger.); Indivia (Ital.)

One ounce will sow a row 200 feet.

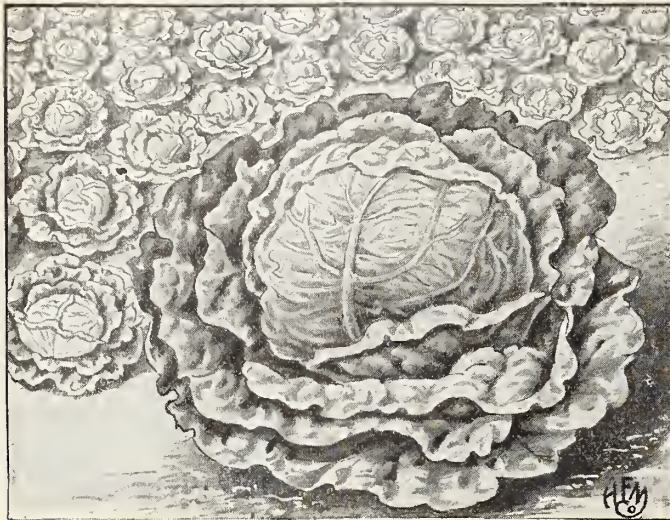
Sow from June to August in shallow drills and when 2 inches high thin out and transplant so the plants stand 10 inches apart. When fairly well developed, toward autumn, tie the plants together at the top with twine, but do this at a time when the leaves are dry, this is called the blanching process. If the plants are protected they may be left outdoors till Christmas. If wanted for later use they must be lifted late in autumn, placed in a dry cool cellar, covering the roots with soil.

Broad-Leaved Batavian (Escarolle).

Leaves broad, light green, nearly plain. Pkt., 10c.; 20c. per oz.; per $\frac{1}{4}$ lb., 65c.; \$2.25 per lb.

Giant Fringed (Oyster Endive). A variety with a large white heart and broad fringed leaves; heads measure 15 inches in diameter. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 per lb.

Improved Green Curled. An improvement over the common green variety; producing a larger head and thicker leaves. Pkt., 10c.; 20c. oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 per lb.



Cabbage Head Giant

All Heart. An excellent lettuce for either spring or summer use. The head, while large, has a loose heart, which is of a decided buttery flavor, can be used for sowing in frames or in early summer and spring outdoors. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 25c.; 75c. per $\frac{1}{4}$ lb.; lb., \$2.50.

All Right. (Michell's.) This is not a variety for forcing, but rather for an early spring crop in the hotbed or outdoors; and for sowing in August for late autumn under sash or outside; it is not affected by cold, which, with some sorts, turns them brown. On the other hand, this variety retains a rich green color. The heads are very large, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. Don't use this variety for a summer crop. Pkt.

10c.; 15c. per $\frac{1}{2}$ oz.; oz., 25c.; 75c. per $\frac{1}{4}$ lb.; lb., \$2.50.

Big Boston. A large, flat, cabbage-headed variety, splendid for midsummer or fall use or under glass in the early spring and autumn, a delightful shade of light green, tinged light brown on the outer leaves. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.25 per lb.

Big Boston. (Davey's Improved.) (See Page 23.) Gigantic solid heads; excellent for under glass. Pkt., 10c.; $\frac{1}{2}$ oz., 20c.; 40c. per oz.; \$1.25 per $\frac{1}{4}$ lb.

Boston Market. (White Seeded Tennisball.) Early small heading variety; one of the best for forcing; the heart is very solid and crisp. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.25 per lb.

Dutch Butter. (Private Stock.) (See Page 23.) A medium-sized head, light green leaves, with delicate yellow heart. The outer leaves are tinged brown on the edges. Suitable for forcing or outdoor planting. Pkt., 10c.; 15c. $\frac{1}{2}$ oz.; oz., 25c.; 75c. per $\frac{1}{4}$ lb.; lb., \$2.25.



Prize Head Lettuce

HEADING VARIETIES

Laitue (Fr.); Lattich Garten Salat (Ger.); Lattuga (Ital.)

One ounce of seed will produce about 2500 plants.

Hanson Improved. Tremendous solid heads; the outer leaves are curled; the interior is almost white and very tender; stands the heat well, therefore excellent for summer use; this produces probably the heaviest head of lettuce of any variety. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.25 per lb.

May King. The first solid head lettuce to mature outdoors, hence its name; it is of good size, with tender, full heart. Suitable for sowing under sash in early spring. Pkt., 10c.; oz., 25c.; 75c. per $\frac{1}{4}$ lb.; lb., \$2.50.

Prize Head. A splendid loosely-formed head, claimed to do where all others fail, desirable for outdoor planting only, has a dark tinge on the outer leaves, good for spring and summer use. Pkt., 10c.; 15c. $\frac{1}{2}$ oz.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.25 per lb.

Salamander. (Mammoth.) One of the best midsummer varieties, resisting heat and drought, and remains in heading condition longer than many others. The heads are enormous, a fresh green color; loose leaves can all be used, as they are brittle and tender. This strain is an improvement on the usual form. Pkt., 10c.; oz., 20c.; 70c. per $\frac{1}{4}$ lb.; lb., \$2.25.

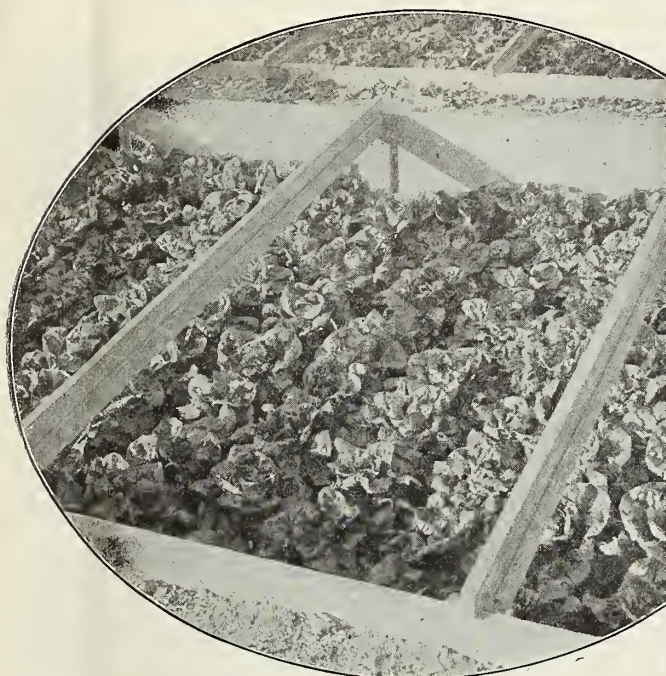
Tennisball (White Seeded). See Boston market.

Wayahead. The earliest hard heading lettuce in cultivation, doing well either under glass or in the open in spring or autumn. The heart is a golden buttery color, and of delicious flavor. Pkt., 10c.; 15c. $\frac{1}{2}$ oz.; oz., 25c.; 75c. $\frac{1}{4}$ lb.; \$2.50 per lb.

Wonderful. Of the cabbage-headed sorts this is a leader; the color is dark green, with white interior; the heads are large, having curled outer leaves, popular kind for summer. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.25 per lb.



Trionon Self-Folding Cos Lettuce



A Frame of Dutch Butter Lettuce. See Page 22



Lettuce "Davy's Improved Big Boston"

LOOSE LEAF OR CUTTING VARIETIES

For early or midsummer use, seed should be sown very thickly. When pulling the young plants try to do so with an effort to thin out the bed, thus allowing the remaining plants to become large. This class of lettuce is always tender and is preferred by many to the heading varieties.

Black Seeded Simpson. Ideal for midsummer use, as it withstands the most trying conditions of heat and drought. When matured, presents a formidable loose head with finely fringed leaves. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.25 per lb.

Early Curled Simpson (White Seeded). Similar to the above and adapted especially for earlier growing and use. Pkt., 10c.; per oz., 20c.; 70c. per $\frac{1}{4}$ lb.; lb., \$2.25.

Grand Rapids (Special Strain). The leading variety in this class for forcing under glass, but it may also be grown successfully outdoors. The leaves are very curly, crisp and brittle, and have a palatable flavor. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.25 per lb.

Silesian. This variety should be cut instead of pulled, as it makes new growth from the same root. A light green color and when given plenty of room will form a large loose head. Pkt., 10c.; oz., 20c.; 70c. per $\frac{1}{4}$ lb.; \$2.25 per lb.

COS, OR ROMAINE, OR CELERY LETTUCE

Of French origin, this type, as will be seen by the illustration, Page 22, differs greatly from the American varieties by its peculiar upright growth and its decided flavor. To have it real tender the heads must be tied together at the top so that the inner leaves blanch. It is best adapted to outdoor planting and stands the heat well. When thinning out remember that they require less room than the regular heading varieties.

Kingsholm Cos. The largest and best heading variety of this type. The inner leaves blanch almost pure white and have little or no rib, the heads are very full throughout and therefore contain more edible part. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.

Trianon Self-Folding. The peculiarity of this sort lies in the fact that the crown of leaves overlap each other which closes over the heart, thus rendering it self-blanching. It is very early and ready for use sooner than the Kingsholm variety. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; 75c. per $\frac{1}{4}$ lb.

LETTUCE PLANTS

We can supply these (at all seasons) in heading varieties. 25 for 15c.; 50c. per 100 (postpaid, 60c.); \$4.00 per 1000.

ALL SEEDS on this page mailed postpaid at prices quoted.

PLANTS AND SEEDS OF PLANTS USED FOR GARNISHING AND FLAVORING LETTUCE

Tarragon (Estragon). Perfectly hardy and once established remains for years; the foliage is finely cut and spread over the lettuce. It is also put into vinegar, to which it imparts a flavor. Plants, 25c. each; doz., \$2.50; \$17.50 per 100.

Chervil. One of the most delicious flavoring plants in cultivation. The leaves are finely cut and mixed with the lettuce, or distributed as gathered, on top. Seed, 10c. per pkt.; oz., 20c.; 65c. per $\frac{1}{4}$ lb.; \$2.00 per lb.

Chives. Possess a delicate onion flavor, adds a piquancy without being objectionable like onion. The top is cut off the plant (not too close) and chopped finely and added in small quantities to the dish of salad. Strong plants, 15c. each; doz., \$1.50; \$10.00 per 100.

THE BALL PLANT PROTECTOR

Not less than 6 Protectors of a size can be supplied. Not mailable.

For tomato, cucumber, melon, egg plants, etc. It allows you to set these out several weeks earlier than would otherwise be possible. Made with strong wooden frames and good muslin; when not in use can be nested and put away, taking up very little space. They will last many years. The invention of (and have been in use) by a practical gardener for a number of years.

No. 1. 9 in. diam. 12 in. high.	Per 6	Per 12
	\$2.00	\$3.80
No. 2. 12 in. diam. 15 in. high.	Per 6	Per 12
	\$2.35	\$4.50



The Ball Plant Protector

MICHELL'S VEGETABLE SEEDS

ALL SEEDS ON THIS PAGE MAILED POSTPAID AT PRICES QUOTED

KALE OR BORECOLE

Chou Vert (Fr.); Grun Kohl (Ger.); Cavolo Verde (Ital.)
Once ounce will sow a drill 150 ft. long; 3 lbs. will sow an acre.

For early use it may be sown in May; when desired for winter use, sow in September, broadcast or in rows 2 ft. apart. Cover for protection against severe freezing and snow. Do not handle while in a frozen condition. One of the finest nutritious greens for winter and early spring use.

Dwarf Green Curled. This variety is very compact growing, rarely attaining a height over six inches. The color is dark green, very curly. 10c., pkt.; 30c. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.25 lb.

Imperial Long Standing. The leaves are very crimp and of a dark green color. It stands quite tall, and is an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., .75c.; \$2.50 per lb.

KOHL-RABI

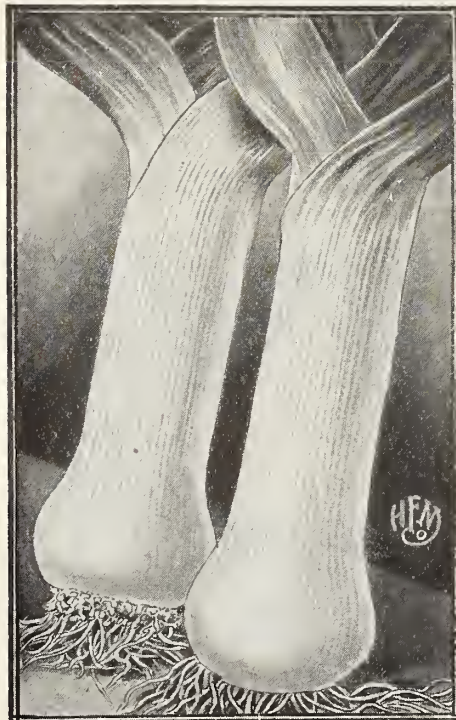
Chou Rave (Fr.); Kohl-Rabi (Ger.); Cavolo rapa (Ital.)

One ounce will produce about 2500 plants.

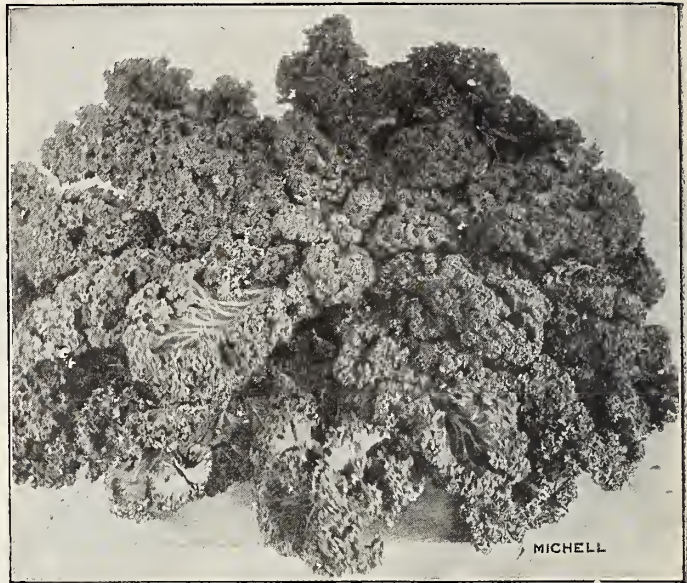
It is regrettable that this splendid vegetable is not more widely used. We would suggest to those who have not given it a trial that they do so. Sow seed in early spring in hot-beds or outdoors and transplant when 3 inches high in rows 18 inches apart, 6 inches in the row. The edible part is the root, which grows above the ground; this should be used when it attains a size of 2 $\frac{1}{2}$ inches in diameter or less, at this stage it is extremely tender and delicious, while if allowed to get larger it is woody. Prepared and served like turnips, except that a few of the bottom leaves can be cooked with the root.

Blue or Purple Vienna. The flesh is white, with a bluish skin. Principally used for outdoor sowing. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; 30c. per oz.; \$1.00 per $\frac{1}{4}$ lb.

Early White Vienna. This variety is suited for sowing under glass and for outdoors. The top is very short, thus allowing all the development to go to the root, insuring early maturity. Very finely grained and of excellent quality. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; \$1.00 per $\frac{1}{4}$ lb.



Giant Carentan Leek



Dwarf Curled Scotch Kale

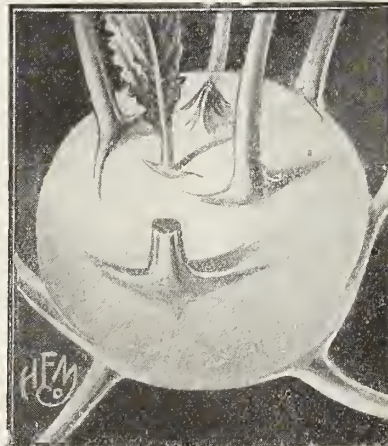
LEEK

Poireau (Fr.); Lauch (Ger.); Porro (Ital.)
One ounce of seed will furnish about 2500 plants.

Allied to the onion family but producing no bulb; the stalks are cut and used for flavoring soups, also they are boiled and served with melted butter, and make a very palatable dish on account of their mild flavor. Sow seeds in April in rows 1 foot apart, covering the seed about an inch, when about 4 inches high transplant where it is to develop in rich soil in rows 18 inches apart, 6 inches in the row. When fully grown, hill soil against them to blanch them, about November 1st take up the plants and store them in a cool cellar, placing the root end in soil 3 or 4 inches, thus a supply may be had all winter.

Giant Carentan. A variety which produces colossal stalks of tender quality, splendid for exhibition purposes. Pkt., 10c.; $\frac{1}{2}$ oz., 25c.; 45c. oz.; \$1.25 per $\frac{1}{4}$ lb.

London Flag. Popular for the home garden. Makes a longer but narrower stalk than others. Pkt., 10c.; $\frac{1}{2}$ oz., 25c.; 45c. per oz., \$1.25 per $\frac{1}{4}$ lb.



Kohl-Rabi

LAVENDER

Herb. Pkt., 10c.;
 $\frac{1}{2}$ oz., 25c.; 40c. oz.

LAVENDER PLANTS

E a c h, 25c.;
doz., \$2.50; \$15.00
per 100.

MINT

Pkt., 25c.; 65c.
for 3 pkts.

MINT PLANTS

Spearmint, 20c.
each; doz., \$1.50;
\$10.00 per 100.

Peppermint, 20c.
each; doz., \$1.50;
\$10.00 per 100.

MANGEL-WURZEL See Page 26.

MARTYNIA (Unicorn Plant)

A bushy plant growing two feet in height, bearing clusters of pink flowers resembling gloxinias, which afterwards turn to long green pods, which when picked are pickled the same as cucumbers, making a very tasty relish. Sow seeds in April outdoors and transplant so the plants stand 2 feet apart each way. Proboscidea. Pkt., 10c.; 20c. per $\frac{1}{4}$ oz.; oz., 35c.

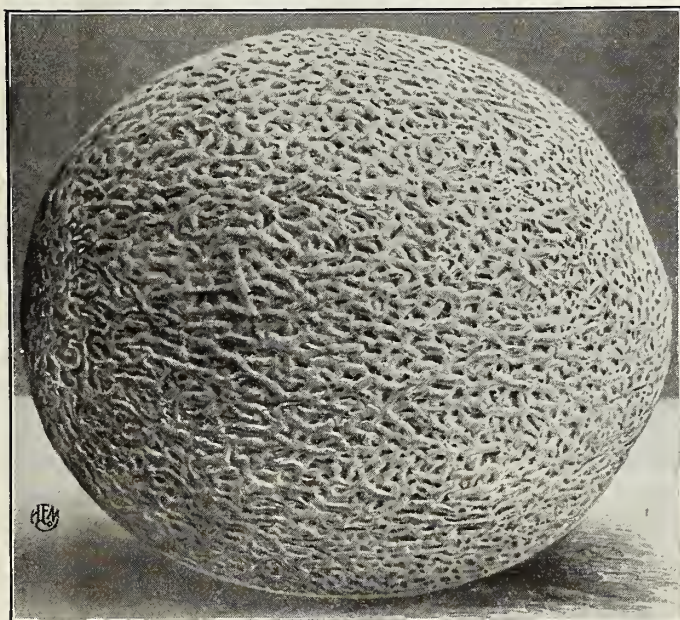


MICHELL'S MUSKMELON or CANTELOUPE

25

Melon Muscade (Fr.); Melone (Ger.); Popone Melone (Ital.)
One ounce will plant about 50 hills; 2½ lbs. are required for an acre

All Prices Quoted
are Postpaid

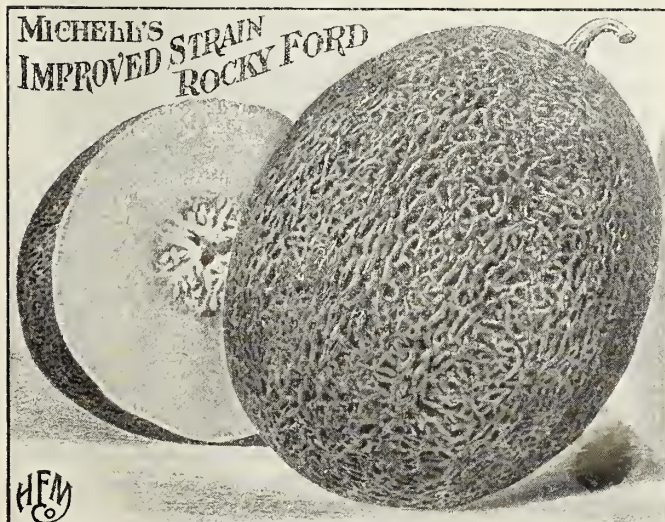


Delicious Gold Lined

While these do best to reach their greatest perfection in a light sandy loam, any good well-prepared garden soil suits them. Plant when the ground has become permanently warm in hills 6 feet apart each way, 8 to 10 seeds in a hill. After the second tier of leaves have formed, thin out to 4 plants in a hill. Watch carefully for insects of various kinds, especially the melon louse that works under the leaf and shrivels it, causing the plant to die. To fight this successfully, raise up the vines and spray underneath with "Black Leaf 40", Pyrox Arsenate of Lead, or some of the various Nikoteen preparations. When the vines have made a good start, they are not bothered with insects thereafter.

NOTE.—All seeds on this page mailed postpaid at prices quoted.

Delicious Gold Lined. See illustration. Flesh thick, fine-grained and sweet; color green, with a gold margin next to the seed cavity; slightly oval and heavily netted. A variety which every melon planter should not overlook to include in his list. Pkt., 10c.; 20c. per oz.; ¼ lb., 70c.; \$2.25 per lb.



"BLACK LEAF 40"

This is perhaps the best destroyer of aphid and melon lice that we know of, it is a 40 per cent. solution of Nikoteen, and when used according to directions, being sprayed under the foliage of melon vines, it will destroy practically every garden pest. **Prices** (subject to change): 1 oz., 25c.; 75c. per ½ lb.; 2 lbs., \$2.50; \$10.75 for 10 lbs.

Emerald Gem. Among the standard varieties, this has long been a leader. The flesh, which is thicker than any other melon of the same shape, is a rich salmon shade and ripens extremely close to the rind. It is exceedingly sweet and one of the melons when you eat once of, you remember for a long while. Pkt., 10c.; 20c. per oz.; ¼ lb., 70c.; \$2.00 per lb.

Fordhook. This is claimed to be one of the best melons ever introduced. Of flat shape like Emerald Gem, on which it is claimed to be an improvement. The flesh is a beautiful salmon orange, surprisingly sweet. The fruits are very large, often weighing 2 lbs. each; is an early variety, and always prolific. The netted rind is very thin and the melon can be eaten very close thereto. Pkt., 10c.; 20c. per oz.; ¼ lb., 70c.; \$2.25 per lb.

Honey Dew. A late maturer, it might easily be termed a family melon because one is large enough for a number of people. It is large in size, being 6 inches in diameter and from 7 to 8 inches long. The skin is smooth with an occasional net, is creamy white. The thick flesh is emerald green melting and of a wonderfully delicious flavor sweet as honey. The ripe melons can be kept in a suitable place for several weeks before using. In fact, they can be placed in cool storage and kept until Christmas. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; ¼ lb., \$1.00. (See illustration, page 7.)

Jenny Lind. A small, flat, very early sort, heavily netted and ribbed, green flesh, an altogether good variety to plant with others, using this for the first picking. Pkt., 10c.; 20c. per oz.; 70c. per ¼ lb.; \$2.00 per lb.

Michell's Delicious. This deservedly enjoys a good name, it is one of the very large irregular pumpkin-shaped melons with a smooth silver-gray rind. The flesh is very deep orange-salmon. Pkt., 15c. (2 for 25c); 65c. per ½ oz.; oz., \$1.25.

Michell's (Improved Strain) Rockyford. The outside is a light green, well-netted, changing to a grayish color. It is mostly all meat, with a very small seed cavity and often weighs a pound and one-half to the fruit. Fine for market or the home garden. Pkt., 10c.; 20c. oz.; ¼ lb., 70c.; \$2.25 per lb.

FORCING MELONS (English Varieties)

Forcing melons can be grown successfully outside in hotbeds. Sow seed in pots in March and transplant to hotbed when three leaves have developed; these will ripen fruit in June and July. For indoor use treat same as forcing cucumbers.

Blenheim Orange, Invincible-Scarlet, Windsor Castle. Each variety per pkt., 30c.

Sutton's A1. In original packets, 60c. per pkt.

MELON NETS. For supporting forcing melons in greenhouses; made very strong, will last for a number of crops. \$1.75 per doz.; per 100, \$12.00.

MUSTARD

One ounce will sow a row 75 feet long. It makes a delicious green salad, pungent in taste, highly palatable and healthy. Sow every two weeks in rows the same as spinach. It must be used while young, as only then is it tender and mild. Fine winter greens if sown in a heated frame or greenhouse, also fine if served with lettuce for flavoring. The seed can be harvested if the plant is allowed to stand and used for other culinary purposes.

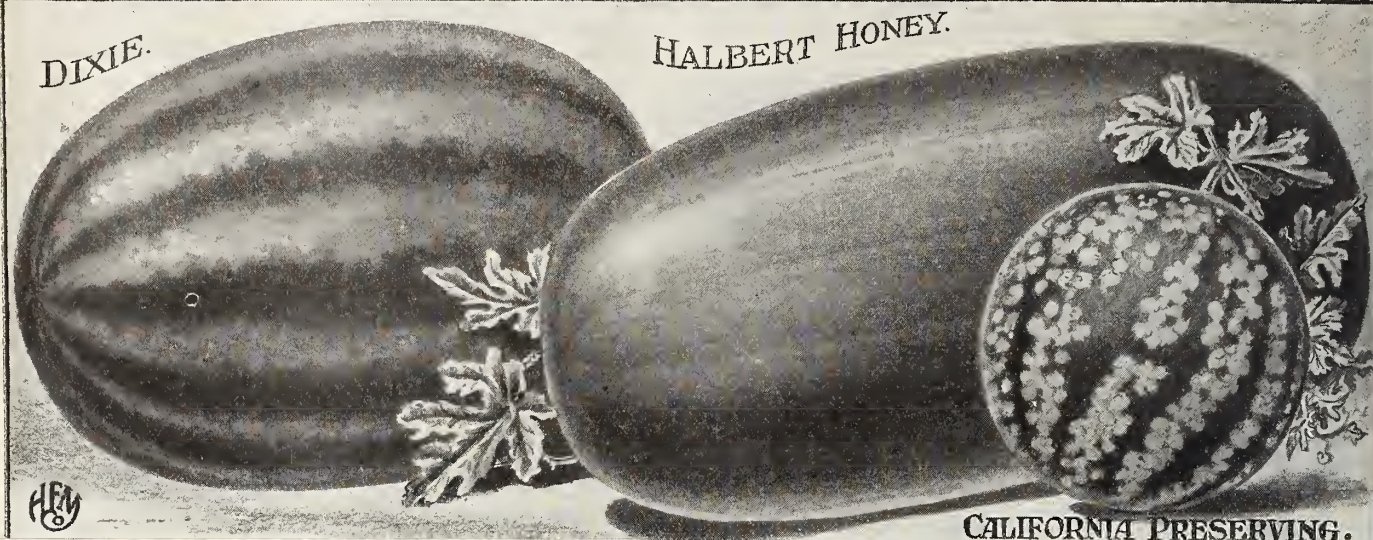
White or Yellow. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.



Mustard

All Prices subject to change without notice

(hb)

**"BLACK LEAF 40"**

A splendid nikoteen preparation for spraying under the foliage of melon vines, for destroying the aphid, green fly and melon louse. Oz., 25c.; per ½ lb., 75c.; \$2.50 per 2 lbs.; 10 lbs., \$10.75. If wanted by parcel post allow for mailing.

ALL SEEDS offered on this page mailed at quoted prices except Mangel-Wurzel.

Melon d'eau (Fr.); Wasser Melone (Ger.); Cocomero (Ital.)
One Ounce will plant Thirty Hills, Four Pounds for an Acre

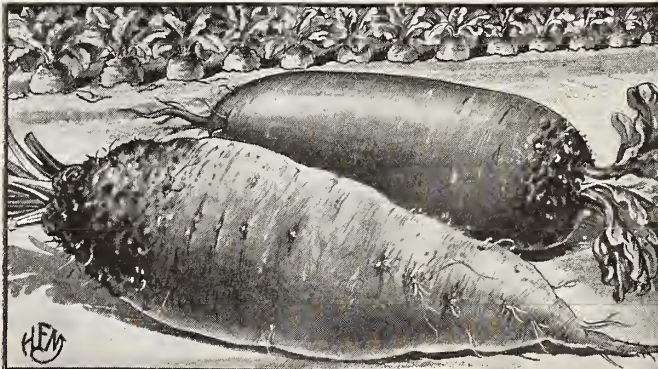
Plant in hills 10 feet apart each way or in drills 10 feet apart, dropping one seed every 3 feet. A little land plaster dusted over the young plants will keep beetles away. Watermelons require planting after the soil has become thoroughly warm, say about May 10th in the latitude of Philadelphia. Our list of watermelons is limited, as we offer only the varieties which from experience we know are the better ones. **Note.**—Watermelon seed sent postpaid at prices quoted.

Dixie. The name attaches to this variety a peculiar recollection of things truly Southern, where this melon is at home. 'Tis one of the oldtime favorites, roundish-long in shape. The skin is dark green, mottled light; the flesh is very sweet and ripens close to the rind. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

MANGEL-WURZEL OR CATTLE BEETS

Seed selected from specimen roots

Sow 5 lbs. per acre in April and May in thoroughly plowed well-manured soil, in drills 2 inches deep, about 24 inches apart. Thin out to 12 inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzels, they provide excellent winter food for cattle, sheep, hogs and poultry.



Michell's Mammoth Long Red Mangel and Golden Tankard

Halbert Honey. An ideal family garden or home market melon. The long fruits with blunt ends are very large and weigh often 50 lbs.; the rind is very thin, dark green, while the flesh is a rich crimson. It tastes like a sugar stick and it melts under pressure of the tongue. It is very prolific and is altogether a first-rater. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.75 per lb. \$1.50 per lb.

Kleckley Sweets. A sweet one, to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind is too close to the ripe fluffy, rich red meat, when in condition to use. The melons average about 20 inches long and ripen quite early. Our strain is grown from the originator's seed stock and we can recommend it highly. Pkt., 10c.; 20c. per oz.; ¼ lb., 70c.; \$2.00 per lb.

Tom Watson. A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh which, by the way, is of splendid texture and flavor; the sugary meat really melts in your mouth. Nothing can touch it in the melon line for shipping qualities. The rind being tough, it will resist plenty of abuse. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

PRESERVING MELON (OR CITRON)

A large-fruited variety, pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like watermelon.

California Red Seeded. Pkt., 10c.; 15c. per oz.; 50c. per ¼ lb.;

MANGEL-WURZEL OR CATTLE BEETS

Golden Tankard. The best long yellow mangel in cultivation. Relished by cows, sheep and hogs. Matures earlier than other large sorts. Pkt., 10c.; per oz., 15c.; 50c. per ¼ lb.; lb., \$1.50; \$6.25 for 5 lbs.

Lane's Improved White Sugar. This variety attains an enormous size, growing considerably above the ground; one of the best for stock feeding. Pkt., 10c.; oz., 15c.; 50c. ¼ lb.; lb., \$1.50; \$6.25 for 5 lbs.

Mammoth Long Red. This is an enormously productive variety, yielding from 50 to 75 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel. Pkt., 10c.; oz., 15c.; 50c. per ¼ lb.; lb., \$1.50; \$6.25 for 5 lbs.

Red Globe. An excellent sort, very prolific, good for late planting. Pkt., 10c.; oz., 15c.; 50c. per ¼ lb.; lb., \$1.50; \$6.25 for 5 lbs.

Yellow Globe. Contains a large amount of sugar properties, and can be used for replanting quite late. Pkt., 10c.; oz., 15c.; 50c. per ¼ lb.; lb., \$1.50; \$6.25 for 5 lbs.

Note.—If Mangel-Wurzel is desired by parcel post, please allow 8c. per lb. for mailing charges.



Prices of all seeds quoted on this page (except Mushroom Spawn and Onion Sets) postpaid.

OKRA OR GUMBO

Gombo (Fr.); Essbarer Hibiscus (Ger.); Ibisco (Ital.)
One oz. will plant a row about 200 feet long; 1 lb. required for 300-foot row.

The seed is sown in rows, thickly like peas (in ground that is rich), after the frost and cold have disappeared, the rows, 3 feet apart; when about 6 inches high the plants should be thinned out to stand 6 inches apart in the row. The pod is used when young and tender sliced in soups and stews; what is not utilized during the summer may be harvested, cut in slices and dried in the sun; after being cured in this way it should be put on the pantry shelf for use during the winter. In this way one may have delicious Chicken Gumbo soup any day of the year.

Perkins' Long Pod (Improved Strain). A wonderful dwarf type, setting pods when the plants are only a foot high. It can be planted somewhat earlier than other sorts. The pods are exceedingly long and tender and of a dark green color. Pkt., 10c.; 20c. per oz.; 1/4 lb., 45c.; 1.25 per lb., postpaid.

Dwarf Green Improved. A very desirable sort, immensely productive, bearing very long pods well filled. It is somewhat later than the Perkins strain and the pods are not quite so thick. Pkt., 10c.; 15c. per oz.; 1/4 lb., 30c.; 75c. per lb., postpaid.

White Velvet or Creole. The pods of this variety are very free from ridges, being almost perfectly smooth; they are tender and very light green, almost white in color. Pkt., 10c.; 15c. per oz.; 1/4 lb., 30c.; 75c. lb., postpaid.

Testimonial.

Danville, Pa.

Am sending you this small order in advance of your catalogue. Your seeds, bulbs and everything I had from you are excellent. None better.

J. C. BOGART.

MICHELL'S "SUPERIOR" MUSHROOM SPAWN

If wanted by mail, allow for postage at rate of 10c. per brick.

Mushrooms are within the reach of anyone who has a greenhouse or a cellar. A crop is produced with good spawn, a little care and patience in about 4 to 6 weeks, and continues bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March. Summer spawned beds do not bear well. Ask for our Free Booklet on Mushroom Culture, which also describes, further, these different spawns. 1 Brick will spawn 8 to 10 sq. ft.

BRANDYWINE PURE CULTURE SPAWN

This is an entirely new strain, originating in the section of Pennsylvania that supplies New York and Eastern markets with mushrooms. It appears to be especially full of life and we can recommend it as an early and prolific producer; mushrooms are uniform and almost pure white in color.

Per Brick.....	\$0.35	Per 10 Bricks.....	\$2.75
Per 5 Bricks.....	1.50	Per 25 Bricks.....	6.50
Per 50 Bricks.....	\$12.50		

AMERICAN SPORE CULTURE SPAWN

This type produces larger mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time. This spawn is produced by the spore process, now regarded as the very best method of making. Pure culture bricks of spawn, which, when planted, produce mushrooms all of one type.

Direct No. 8. Cream White. For use from April to October.

Direct No. 9. Pure White. For use from October to April.

Per Brick.....	\$0.35	Per 10 Bricks.....	\$2.75
Per 5 Bricks.....	1.50	Per 25 Bricks.....	6.50
Per 50 Bricks.....	\$12.50		

Books on Growing Mushrooms

Pamphlet (gratis for a postal card asking for it).

Robinson's Book (postpaid)\$0.60

Falconer's Book (postpaid) 1.10



MUSHROOM OR HOT BED THERMOMETERS

Heavy Galvanized Iron Point\$2.25
Thermometers should, wherever possible, be sent by express. We do not guarantee safe arrival if forwarded by parcel post.

ONION SETS

One quart will plant a row about 50 feet

Plant just as soon as the ground can be worked. Press the bulb in the ground lightly (and do not cover); in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in the locality of Philadelphia for winter storage as early as July 10th. The advantage in planting onion sets lies in the fact that the young onion is ready often in 5 weeks from the time of planting, while those grown from seed cannot be used until well in the autumn. For illustration see page 28.

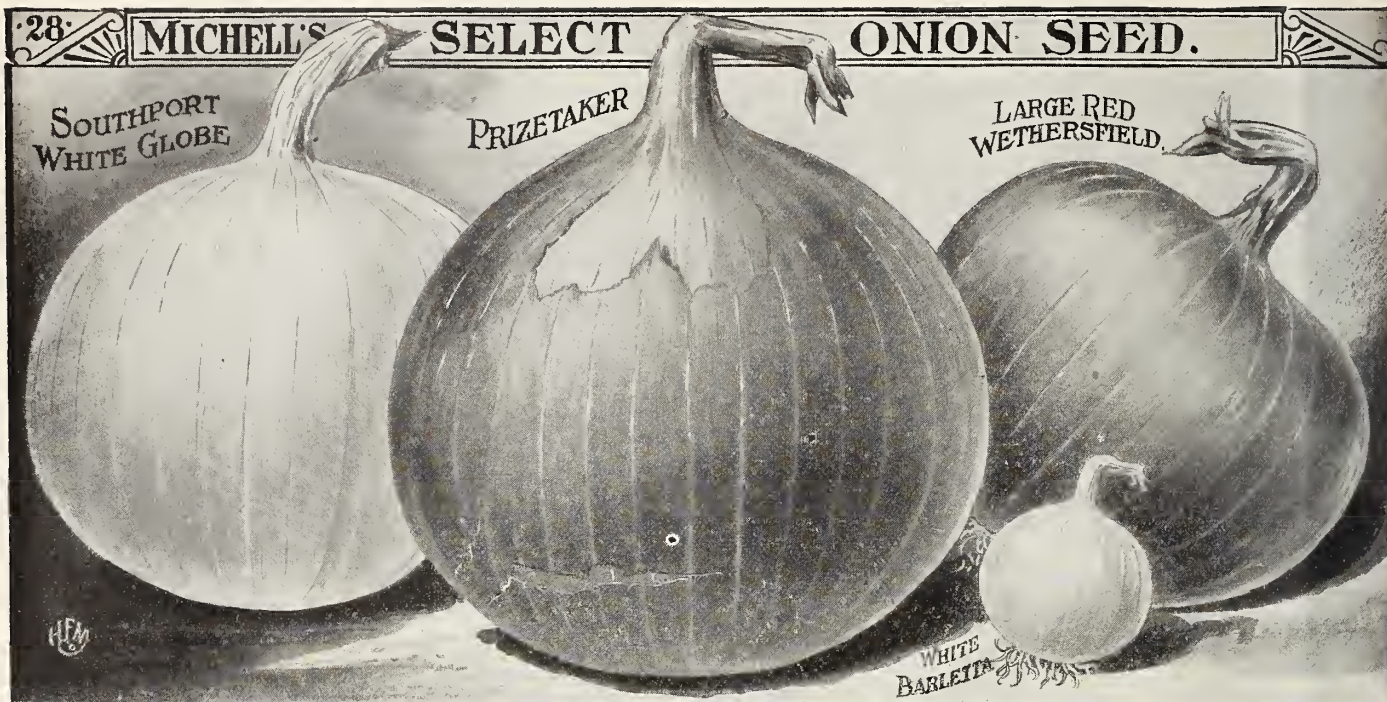
Shipped on Local Orders about March 10, unless otherwise requested.

If wanted by mail add 5c. per pint and 10c. per quart for postage.

	Pint	Quart
Yellow	\$0.15	\$0.30
White .....	.20	.40
Red .....	.20	.40
White Multiplier .....	.20	.40
Potato Onions .....	.20	.40
Shallots .....	.25	.50
Tree or Top Onions. Can be supplied in September and October.		
Garlic Sets. Per lb., 50c.; 5 lbs. for \$2.40.		

We give 32 lbs. per bushel on Onion Sets.

Prices change constantly. Prices for larger quantities than here quoted on application.



Ognon (Fr.); Zwiebel (Ger.); Cipolla (Ital.)

To grow full size onions, one ounce of seed will sow a 100-foot row, or 5 to 6 pounds are required per acre. If it is desired to grow onion sets, sow 25 to 30 pounds per acre.

Sow in the early spring in rows 2 feet or less apart, according to cultivation method employed. The seed should be firmed in the soil. If it is desired to grow full size onions the first year, thin out when 3 inches high, so that they stand about 2 or 3 inches apart. White onions are mildest in flavor and are recommended for early use. The yellow sorts are best for winter keeping.

Ailsa Craig. The largest of all onions, often weighing three lbs. and over, each. In England it is the foremost variety and will be seen there on exhibition during all vegetable shows. It is globe-shaped, slightly pointed at the top and base; the color is a beautiful straw yellow. To obtain best results sow seed in the hotbed and later transplant where they are to grow; in planting place 4 to 6 inches apart and thus procure gigantic specimens Pkt., 25c.; 60c. per ½ oz.; oz., \$1.00.

Bermuda White. An early variety producing an immense flat partially globe-shaped bulb, producing (when transplanted about 4 inches apart) gigantic onions the first season. In the raw state it is very mild, while, when cooked, the flesh is tender and of a delicious flavor. For slicing it is one of the best. Pkt., 10c.; 25c. per ½ oz.; 1 oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.00.

Danvers Yellow Globe. This almost round shaped onion is extensively sown by the private and market gardener on account of its good keeping qualities. It is a dark straw color and always produces a good crop, growing to large size. Pkt., 10c.; ½ oz., 25c.; 40c., oz.; ¼ lb., \$1.25; \$4.00 per lb.

Giant Gibraltar. While not a new variety it is a splendid sort for the home garden. It grows to a mammoth size, some claim it to be even larger than Ailsa Craig under the same growing conditions. It is a light straw-yellow color, in shape not quite so globular as the former. It is rather mild in flavor and a splendid keeper. Pkt., 15c.; 40c. per ½ oz.; per oz., 75c.

Large Red Wethersfield. A flat large growing variety. The red onions are excellent winter keepers, being flavored much like the yellow sorts; full size onions can be grown in one season. Pkt., 10c.; ½ oz., 25c.; 40c. oz.; ¼ lb., \$1.25; lb., \$4.00.

Prizetaker. A mammoth yellow variety, if sown thinly it produces full size onions in one season from seed, rivaling with the Bermuda varieties for size and flavor, often weighing 3 lbs. each and more. Pkt., 10c.; ½ oz., 25c.; oz., 50c.; \$1.50 per ¼ lb.; \$5.00 per lb.

Southport Yellow Globe. Similar to the Danvers except larger in size; more like the Prizetaker. This is probably one of the most uniform growing varieties, every bulb being almost perfectly round and of the same size; light straw colored skin. Pkt., 10c.; ½ oz., 25c.; 40c. oz.; ¼ lb., \$1.25; \$4.00 lb.

All seeds offered on this page sent postpaid at quoted prices.

Southport White Globe. A beautiful type of an almost round onion, growing to enormous size. This is perhaps the best onion of all for family use. The flesh when cooked is of a rich milky color, of tender and delicious flavor, and in the raw state it is one of the mildest. Pkt., 10c.; 30c. per ½ oz.; oz., 60c.; \$1.75 per ¼ lb.; lb., \$6.00.

White Barletta. Extra early small round variety used principally for pickling. Pkt., 10c.; 40c. per ½ oz.; oz., 75c.; \$2.25 per ¼ lb.; lb., \$8.00.

Winter Keeper. (See illustration on front cover page.) A new round-shaped yellow variety of good size, a wonderful keeper, lasting well into the summer. For home garden or market purposes it should prove to be a winner. Pkt., 10c.; ½ oz., 30c.; 50c. oz.; ¼ lb., \$1.75; \$6.00 lb.

White or Silver Skin. The standard white onion for market or home use, it is of very mild flavor, semi-globe shaped and very uniform in growth and size. Pkt., 10c.; ½ oz., 30c.; 50c. per oz.; ¼ lb., \$1.75; \$5.50 per lb.

Yellow Strasburg (or Dutch). A dark straw color skinned sort, almost flat in shape but a large onion. Its fine keeping qualities is what recommends itself to the home as well as the market gardener. For a yellow sort it is rather mildly flavored; for growing sets more of this variety is sold than any other. One of the best winter keepers. Pkt., 10c.; ½ oz., 20c.; 40c. per oz.; ¼ lb., \$1.25; \$4.00 per lb.



We make a specialty of Choice Onion Sets (see Page 27)

ONION CULTURE, a good book by a Practical Grower, 60c. per copy.

BOOKS ON GARDENING

The pleasures of gardening are materially increased with the aid of a good book on the subject. On page 159 of this catalog is offered a comprehensive list of them, which cover almost every phase of gardening. Add a few copies to your library.



Double Curled Parsley

PARSLEY

Persil (Fr.); Petersilie (Ger.); Prezzerolo (Ital.)

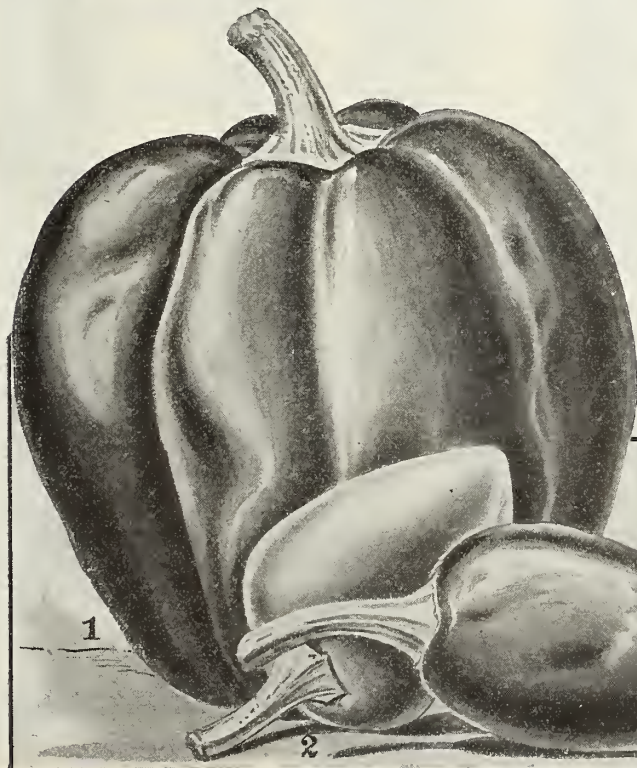
One ounce will sow a row 100 ft. long

After soaking the seed for a few hours in warm water, it should be sown in rows 18 inches apart, and when 2 inches high thinned out so the plants will stand 4 inches apart in the row. It takes parsley seed from 3 to 6 weeks ordinarily to germinate, so that a little patience in growing this is necessary. Parsley can be continued over winter, if given a heavy covering of long manure.

Champion Moss Curled. Beautifully crimped and curled. It can be cut the year round. Pkt., 10c; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Double Curled or Covent Garden. A great improvement over all other varieties; a nicely curled leaf which has a tendency to retain its deep green color the entire season. Pkt., 10c; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Hamburg or Rooted. The fleshy roots are used for flavoring soups, stews, etc. Pkt., 10c; oz., 15c.; ¼ lb., 50c.; \$1.75 per lb.



PEPPERS. 1, Chinese Giant 2, Celestial. 3, Cayenne. 4, Cherry. 5, Chili

All seeds offered on this page (not plants) mailed postpaid at quoted prices.

PARSLEY PLANTS (Ready in April)

Large specimens, pot-grown, ready for use. Doz., 75c.; per 100, \$5.50. These plants cannot be mailed satisfactorily.

PARSNIP

Panais (Fr.); Pastinake (Ger.); Pastinaca (Ital.)

One ounce will sow a row 150 feet long; 5 lbs. per acre

Sow early in the spring in drills about 24 inches apart, covering the seed slightly; when the plants are 2 or 3 inches high, then thin out so the roots will develop; cultivate well during the growing season.

Improved Sugar or Hollow Crown. A very thick broad-topped root, which makes it lift easily. Flesh is very fine grained and sweet, while the outer surface is smooth and almost white. It yields enormous crops. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.75 per lb.

PEPPER

Piment (Fr.); Pfeffer (Ger.); Peperone (Ital.)

One ounce produces 1200 plants

Sow the seed in a hotbed or window box about March 1st. Transplant to the open when all danger from frost is over. Plant in rows 3 feet apart, 15 inches in the row.

Apple Pepper. Formed like an apple, standing upright on the plant; first green it afterwards turns a brilliant red; very mild in flavor. Very prolific early and continuous cropper. 3 inches in diameter. Pkt., 10c.; 35c. ½ oz.; 70c. oz.; ¼ lb., \$2.50.

Bell or Bull Nose (Sweet). Very thick flesh, perfectly mild and a great producer. The large fruits are green, turning to vivid scarlet; fine for slicing on tomatoes or stuffed as mangoes. Pkt., 10c.; ½ oz., 35c.; 70c. oz.; ¼ lb., \$2.50.

Bell Bull Nose (Hot). This variety is identical with the Sweet sort bearing the same name, except it has a stronger flavor. Pkt., 10c.; ½ oz., 35c.; 70c. oz.; ¼ lb., \$2.50.

Cayenne. A long red variety, very hot and used principally for bunching with pot herbs. Pkt., 10c.; ½ oz., 25c.; oz., 50c.; \$1.75 per ¼ lb.

Celestial. A Chinese variety bearing roundish upright pods of various colors; very decorative. Pkt., 10c.; ½ oz., 25c.; oz., 50c.; \$1.75 per ¼ lb.

Chinese Giant. A monster pepper, perfectly sweet, green fruit, turning bright scarlet; matures very late; a very shy seeder. Fine for stuffed mangoes. Pkt., 10c.; 40c. ½ oz.; oz., 75c.; \$2.50 per ¼ lb.

Golden Dawn. A large yellow variety, shaped like the Chinese Giant; very sweet. Pkt., 10c.; ½ oz., 25c.; 50c. oz.; ¼ lb., \$1.75.

Pimiento. See page 6 for illustration and description. A splendid, uniformly shaped, sweet variety. Green fruit, changing to red when fully ripe. Pkt., 10c.; 30c. per ½ oz.; per oz., 60c.; \$2.00 per ¼ lb.

Ruby King. A large red variety resembling Bull Nose. Pkt., 10c.; ½ oz., 35c.; 70c. oz.; ¼ lb., \$2.50.

Ruby Giant. Very large; adapted for stuffing; mild flavor. Pkt., 10c.; 35c. per ½ oz.; oz., 70c.; \$2.50 per ¼ lb.

World Beater. This variety is very similar to Ruby Giant, in fact some claim it to be an improvement over that variety. Choice seed grown in New Jersey. Pkt., 10c.; 40c. per ½ oz.; oz., 75c.; \$2.50 per ¼ lb.

PEPPER PLANTS (Ready in May)

Pot Grown Plants. Per doz., 75c.; per 100, \$5.50.

Hotbed Grown. Per doz., 25c.; per 100, \$1.50.

30 MICHELL'S CHOICE GARDEN PEAS ✱



DANDY
EXTRA EARLY

NOTT'S
EXCELSIOR

HARVESTER

POTLATCH



GRADUS

MICHELL'S CHOICE GARDEN PEAS

31

Pois (Fr.); Erbsen (Ger.); Pisello (Ital.)

2 lbs. will plant 100 ft. of row, one and a half to two bushels per acre.

NOTE.—If Peas are wanted by parcel post, allow for mailing charges as per table on Page 1.

Large Pkts. of all Varieties of Peas, 10c., Postpaid

The smooth seeded varieties may be sown as soon as the ground can be worked; the wrinkled sorts when the ground has become warmer. The distance for planting apart depends somewhat on the variety. To have a continuous crop, sow weekly up to June 15th, and a final planting again about August 15th. For the last planting use the dwarf early varieties.

PLEASE NOTICE.—We have discontinued offering Beans, Sugar Corn and Peas by the Pint, Quart, Peck and Bushel, as the Pound unit has been universally adopted. If you still wish to order by the Pint, Quart, Peck and Bushel, you may do so and we will send the nearest quantity thereto in weight (pounds).

1 lb. equals about 1 Pint
2 lbs. equals about 1 Quart
5 lbs. equals about 2½ Quarts
10 lbs. equals about 5 Quarts

EXTRA EARLY VARIETIES

Alaska. Smooth seeded, very early, height 2½ feet. 35c. per lb.; 5 lbs., \$1.65; \$3.20 for 10 lbs.; 25 lbs., \$7.50.

American Wonder. The earliest wrinkled dwarf variety, exceedingly sweet; height 10 to 12 inches. 35c. lb.; 5 lbs., \$1.65; \$3.20 for 10 lbs.; 25 lbs., \$7.50.

Dandy Extra Early. These are a selection of the Eureka, but will be found far superior; smooth seeded, very prolific and desirable for the kitchen and market garden, height 24 inches. 35c. lb.; 5 lbs., \$1.65; \$3.20 for 10 lbs.; 25 lbs., \$7.50.

Early June. A green seeded smooth pea, desirable for first planting, an improvement on Alaska; height, 2½ feet. 35c. lb.; 5 lbs., \$1.65; \$3.20 for 10 lbs.; 25 lbs., \$7.50.

Early Morn. One of the earliest of wrinkled peas, earlier and better, it is claimed, than Gradus or Thos. Laxton. The pods are large and well filled, mature in 60 days; very prolific. 35c. lb.; 5 lbs., \$1.65; \$3.20 for 10 lbs.; 25 lbs., \$7.50.

Eureka. A great producer and extremely early, smooth seeded; height, 24 inches. 35c. lb.; 5 lbs., \$1.65; \$3.20 for 10 lbs.; 25 lbs., \$7.50.

Gradus or Prosperity. Never was there a pea offered which is so greatly demanded as this very early sort. It is exceedingly luscious, wrinkled and a producer of gigantic pods and peas; height, 36 inches. 40c. lb.; 5 lbs., \$1.85; \$3.60 for 10 lbs.; 25 lbs., \$8.50.

Little Marvel. Wrinkled; dwarf, 18 to 20 inches; prolific and sweet. 40c. lb.; 5 lbs., \$1.85; \$3.60 for 10 lbs.; 25 lbs., \$8.50.

Mitchell's Special Ex. Early. Of the smooth seeded sorts this is the peer. Extremely early, lusciously sweet and very tender, a grand yielder; height, 24 inches. 40c. lb.; 5 lbs., \$1.85; \$3.60 per 10 lbs.; 25 lbs., \$8.50.

Nott's Excelsior (Improved Strain). A splendid early wrinkled pea, producing heavy crops of full pods very early. One of the leading varieties for the home or market garden. Height, 15 inches. 35c. lb.; 5 lbs., \$1.65; \$3.20 for 10 lbs.; 25 lbs., \$7.50.

Premium Gem (or McLean's Little Gem). Similar to American Wonder, but a heavier producer, wrinkled seed; height, 18 inches. 35c. lb.; 5 lbs., \$1.65; \$3.20 for 10 lbs.; 25 lbs., \$7.50.

Sutton's Excelsior. This wrinkled variety is quite hardy and can be planted earlier than most other wrinkled sorts; very early. It grows about 16 inches and makes a long broad pod, well filled; it follows the extra sorts and is a great producer. 40c. lb.; 5 lbs., \$1.85; \$3.60 for 10 lbs.; 25 lbs., \$8.50.

The Pilot or Leader. The earliest of round seeded varieties. The pods and peas are nearly as large as those of Gradus. It can be planted, of course, much earlier. The vines are of vigorous growth, 3 feet high and produce an abundance of pods. The peas are of finest flavor. 40c. lb.; 5 lbs., \$1.85; \$3.60 for 10 lbs.; 25 lbs., \$8.50.

Thos. Laxton. On a par with Gradus in quality, heavy producer, wrinkled, exceedingly early. The pods are large and filled to the tip with large peas of excellent flavor. Its strong vine and heavy cropping qualities make it very suitable for an early crop in the private garden; height, 36 inches. 40c. lb.; 5 lbs., \$1.85; \$3.60 for 10 lbs.; 25 lbs., \$7.50.

NOTE.—Peas are an exceptionally scarce item in the seed business this year, owing to the very poor crop harvested. It is important that one covers their requirements early, as there will not be near enough seed to fill normal needs.

SECOND EARLY VARIETIES

Bliss Abundance. Produces very large pods containing six and even more peas of a delicious flavor; a great yielder; wrinkled; height, 20 inches. 35c. lb.; 5 lbs., \$1.65; \$3.20 per 10 lbs.; 25 lbs., \$7.50.

Daisy or Dwarf Telephone. One of the best medium early sorts, bearing large pods in the greatest abundance; wrinkled and very sweet; height, 18 inches. 45c. lb.; \$2.15 for 5 lbs.; 10 lbs., \$4.00; 25 lbs., \$9.00.

Harvester (New). This is a grand variety for the home garden. The pods contain frequently as many as 10 peas of delicious quality. It is wrinkled, grows about 18 inches high and is a great producer. 40c. lb.; 5 lbs., \$1.85; \$3.60 for 10 lbs.; 25 lbs., \$8.50.

Long Island Mammoth. Largely planted in private and market gardens; it yields handsome large peas, very tender; height, 3½ feet. 40c. lb.; 5 lbs., \$1.85; \$3.60 for 10 lbs.; 25 lbs., \$8.50.

Pottatch. A wrinkled variety, similar to Daisy, very sweet, produces pods well filled with peas. 40c. lb.; 5 lbs., \$1.85; \$3.60 for 10 lbs.; 25 lbs., \$8.50.

GENERAL OR LATER CROP VARIETIES

Champion of England. A very tall rank grower, but a wonderful yielder of delicious quality peas; seed wrinkled; height, 5 feet. Many of the oldtime gardeners still cling to this as their favorite. 40c. lb.; 5 lbs., \$1.85; \$3.60 for 10 lbs.; 25 lbs., \$8.50.

Dwarf Champion. Possesses most all the good qualities of the famous Champion of England, and has the further advantage of being dwarf; a very delicious pea which should be planted extensively; height, 2 feet. 40c. lb.; 5 lbs., \$1.85; \$3.60 for 10 lbs.; 25 lbs., \$8.50.

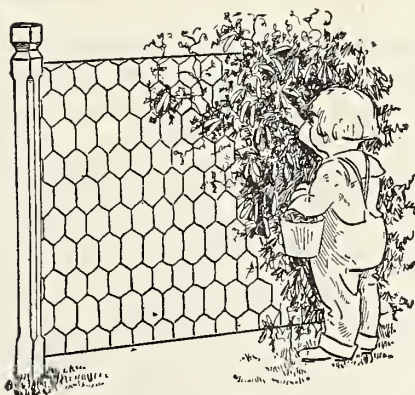
Telephone (Tall). The finest late wrinkled pea grown; exceedingly sweet; an abundant producer; height, 3½ feet. 40c. lb.; 5 lbs., \$1.85; \$3.60 for 10 lbs.; 25 lbs., \$8.50.

SUGAR OR EDIBLE POD PEAS

This type produces large, well-filled pods. They are cooked with the peas intact; very tender and exceedingly sweet. Many people are disappointed in using these for the first time, they cook rather to a brownish finish, but make a delicious vegetable; we recommend that the cook experiment with them before condemning them.

Dwarf Gray Sugar. Gray seed; height, 2 feet. 40c. lb.; 5 lbs., \$1.85; \$3.60 for 10 lbs.

Tall Melting Sugar. Gray seed; height, 4 feet. 40c. lb.; 5 lbs., \$1.85; \$3.60 for 10 lbs.



WIRE PEA TRELLIS

The ideal support for garden peas and sweet peas; neater, more economical than brush; can be rolled up when the season is over and stored. Made of strong galvanized netting and substantial uprights, neatly painted and finished. Ten ft. sections, 48 inches high, \$1.50 per section; 10 sections for \$14.00.

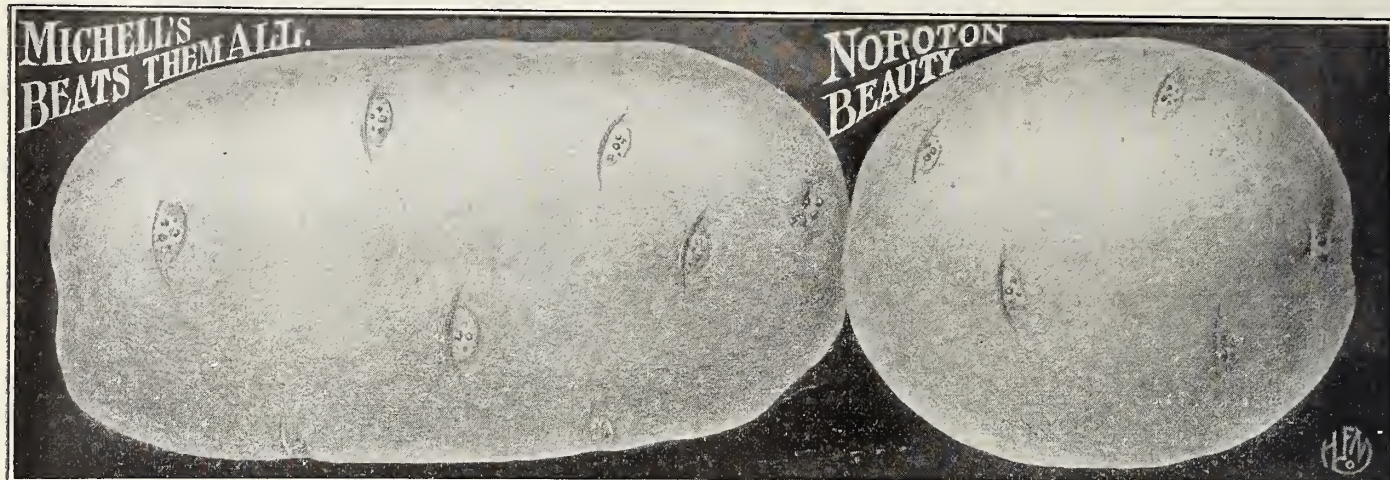
REDUCE YOUR HOUSEHOLD EXPENSES

Put up your own vegetables and fruits with a Steam Canner or with an Improved Water Seal Canner. These canners will more than save their cost in a few days' work. No more standing over hot stoves when using these. They make canning a success. Write to us for special circular and prices.

Michell's Maine-Grown Seed Potatoes

Our Potatoes are Grown Expressly for Seed Purposes in the Best Districts of Maine
Pomme de Terre (Fr.); Kartoffel (Ger.); Patata (Ital.)

Plant 12 to 14
Bushels per Acre



TIME OF SHIPMENT.—Potato shipping with us commences about March 15th (weather permitting), unless otherwise requested. We can ship at customer's risk any time during cold weather.

Our potatoes are put up in barrel sacks of 165 lbs. each. Shipment in barrels can be made at a cost of 75c. each for barrels.

Beats Them All (Michell's). This famous variety has given the best results wherever tried, yielding more than any other early potato; quality fine, extremely early, coming in about one week or ten days earlier than Early Rose. Oblong in shape.

Beauty of Hebron. Somewhat earlier than Early Rose, otherwise very similar. Good yielder.

Bliss Triumph or Red Bliss. A very early thin-skinned variety, they are frequently offered as Southern or Bermuda potatoes.

Early Ohio. A seedling of the Early Rose, ripens about a week earlier; slightly round in shape.

Early Rose (Houlton or Maine). A leading variety for earliness, quality and productiveness; pink skin, oblong shape.

Gold Coin. This potato seems to be in great demand, though by no means a new one. It is large, somewhat roundish flat and a wonderful cropper, being a late maturer.

Green Mountain. An excellent general crop variety; white, roundish flat.

Irish Cobbler. A splendid sort, almost round in shape.

Jersey Red Skin. These are especially adapted for planting in light sandy soil late in June and in early July. They are oval shaped, medium size and cook pure white.

Noroton Beauty. The earliest and most productive potato grown, and of superb table qualities. Red skin, round in shape.

State of Maine. An old favorite, grown by every gardener; good keeper; flat in shape.

SWEET POTATO PLANTS (Ready in May)

Yellow and Red Nansemond. Per 100, 75c.; per 1000, \$5.00.

We regret we cannot supply seed sweet potatoes.

REGARDING POTATO PRICES

At the time of printing this catalog prices for potatoes could not be anticipated. We can, however, assure our customers that we will fill their orders at the market price for first-class quality. Please do not compare Maine-grown Seed Potatoes, which we handle exclusively, with New York State grown stock.

There are more varieties of Seed Potatoes than those we offer, but those listed here are tried and proved.

HYBRIDIZED POTATO SEED

Growing new and distinct Seedling Potatoes from the seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes and qualities. The product will astonish you. Some may be of immense value and bring you a splendid harvest. Full directions on packet. Pkt., 15c.; 25c. for 2 pkts.

CONCAVE POTATO KNIVES

For cutting out the eyes of seed potatoes prior to planting. Made of best steel with concave blade. Price, 40c.

POTATO SCAB DESTROYER (A Formaldehyde)

Dilute 1 quart in 25 gallons of water and soak the seed potatoes in this solution for 2 hours before cutting. They should then be taken out and dried; 25 gallons treating liquid is sufficient for approximately 15 bushels of potatoes. 85c. per pt.

POTATO CULTURE (By Rogers)

A practical treatise on this very important crop. Per copy, 60c.; postpaid.

PEANUTS

Arachide (Fr.); Erdnuss (Ger.);
Cece de terra (Ital.)

One bushel nuts unshelled will plant an acre, but shell must be removed beforehand.

It is generally believed peanuts cannot be grown anywhere north of Virginia, but this is a mistake; most any well-drained garden soil suits them, where they will yield a big crop. The peanut plant rather enriches the soil instead of impoverishing it, as it is an abundant gatherer of free nitrogen. Selected Virginia. $\frac{1}{2}$ lb., 30c.; 50c. per lb.; 5 lbs., \$2.00.



PENNYROYAL (Herb). Pkt., 10c.; $\frac{1}{2}$ oz., 35c.; oz., 70c.

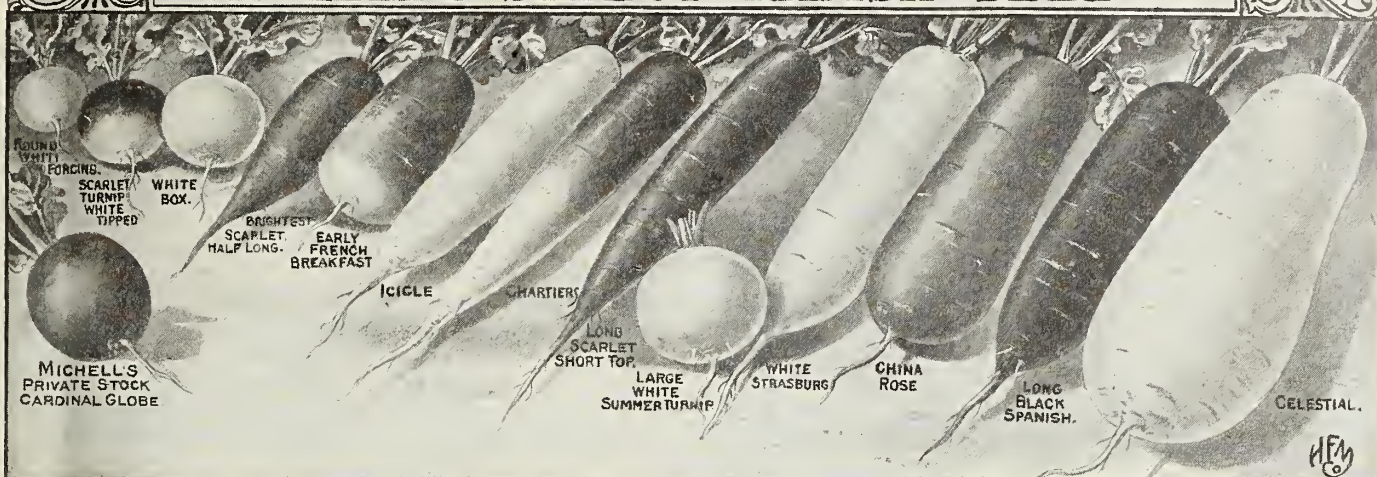


Pumpkin—Large Tours or Mammoth

(For list of varieties of Pumpkin, see page 33)

MICHELL'S SELECT RADISH SEED

33



Radis (Fr.); Radieschen (Ger.); Ravanelli (Ital.).

One ounce of seed will sow a row about 75 feet long; 8 to 10 lbs. are required for an acre.

Radishes should be sown in good rich ground, where they can make rapid growth, for then only do they produce the best results. The winter radishes are sown in July and are developed by autumn, at which time they may be taken up and stored in cool cellars and covered with sand.

EARLY VARIETIES

Cardinal Globe (Improved Strain). This popular radish will be welcomed readily in an improved form. The color and shape, a vivid scarlet oval form, are perfect. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.50 per lb.

Crimson Giant. Turnip shaped; very large and tender. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.00 per lb.

Early French Breakfast. Oblong shape, rapid grower, very mild and tender, of a beautiful scarlet color; tipped with white. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.00 per lb.

Iceicle (Improved Strain). A magnificent white variety of fine taste, grows $3\frac{1}{2}$ to 4 in. long in 22 days. Also suitable for summer sowing. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.00 per lb.

Long Scarlet Short Top or Salmon. A favorite variety; long, bright scarlet with small top. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Round Red Forcing or Button. Very quick in maturing; splendid for hot bed or garden culture. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.00 per lb.

Scarlet Turnip, White Tipped. Fine early scarlet variety with white point. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.00 per lb.

White Box, Felton's. (Private stock.) A selection of the old reliable White Box radish, more perfect form, producing shorter tops, and does not have a tendency to grow long in shape. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.; \$1.75 per lb.

SUMMER AND WINTER VARIETIES

China Rose. Bright rose color; flesh firm. One of the best for winter use. Half-long in shape with a scarlet blunt tip. Winter radishes should be cultivated more extensively than what they are. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.00 per lb.

Celestial or White Chinese. Large size. Pure white, excellent keeper. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.00 per lb.

Half Long Black. A great improvement on the old Long Spanish Radish. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.; \$1.75 per lb.

Round Black Spanish. Like the above, except in form. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.; \$1.75 per lb.

White Strasburg. Oblong, of a pure white color, and mild flavor; a splendid variety for summer. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.00 per lb.

TESTIMONIAL.

Absecon, N. J.

Please send me the enclosed order. All seeds I have bought of you are A 1, and I am perfectly satisfied.

CHAS. FOSTER.

NOTE—All seeds offered on this page are mailed post paid at prices quoted.

PUMPKIN (See illustration on page 32)

Potiron (Fr.); Grosse Kurbis (Ger.); Zucca (Ital.)

One ounce will plant 25 hills; 4 to 6 lbs. for an acre.

Plant any time after the ground has become permanently warm, about four seeds to the hill; the latter to be about 8 feet apart each way. To obtain strong vines they may be pinched back somewhat, and if large specimens are desired, leave but one or two pumpkins on a vine. Do not plant near other vine crops, as they may hybridize the latter and spoil the taste; they can also be planted among corn after the last working.

Cashaw or Golden Crook Neck. A very meaty sort; suitable for pie or stock feeding purposes; flesh golden yellow and very tender. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.; 1 lb., \$2.00.

Connecticut or Common Field. Shape almost round; fruits produced in great abundance; flesh coarse and suitable only for stock feeding; color light yellow. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

Japanese Pie. A crook-necked variety, deep green with darker stripes, which turn to a rich golden yellow. The fruit sets and matures early. The name given to it is derived from the seed, which is curiously marked like Japanese letters of the alphabet. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.; \$2.00 lb.

Large Cheese. A very large, flat ribbed fruit, of a beautiful buff yellow color; the interior is of fine quality. An enormous producer, ideal for market, home gardens and canning purposes. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.; \$1.75 lb.

Large Tours or Mammoth. The biggest pumpkin in cultivation, producing fruits that often weigh 200 lbs. When fully ripened it is of a golden orange color, free from stringiness and ideal for pie-making or cooking. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.; \$1.75 lb.

Tennessee Sweet Potato. An oblong-shaped, medium-sized fruit with a very light buff yellow skin. For pies it is delicious, while for cooking for table use it is dry and tasty, resembling the flavor of mashed sweet potatoes. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.; \$1.75 lb.

Winter Luxury. Known as the New England pie pumpkin. No Thanksgiving dinner there is complete without the palatable pumpkin pie, made from this variety. This is also used for making Jack-o-Lanterns, for which purpose it is well suited on account of its very round and symmetrical shape. The skin is a russet yellow, while the flesh golden orange when ripe. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.00 lb.

MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains a mine of information on things horticultural and argricultural. There is a free copy for you. Just say, Send me "Practical Garden Pointers."

MICHELL'S VEGETABLE SEEDS



RHUBARB. The method of placing a barrel without a bottom over a Rhubarb clump has a tendency to draw up the length of the stalks thus increasing the yield, as shown in the illustration above.

RHUBARB

Rhubarb (Fr.); Rhabarber (Ger.); Rabarbaro (Ital.)

Seed should be sown outdoors in April in rows 3 ft. apart. The following spring the roots should be transplanted into permanent beds and placed 3 feet apart each way; the year following that, or two years after sowing the seed, the rhubarb may be used. Do not cut rhubarb; pull it so that it comes out whole from the crown. After it starts to seed the plants should be allowed to rest and develop further for succeeding years. Roots may be planted in October or in the spring up to May 15th.

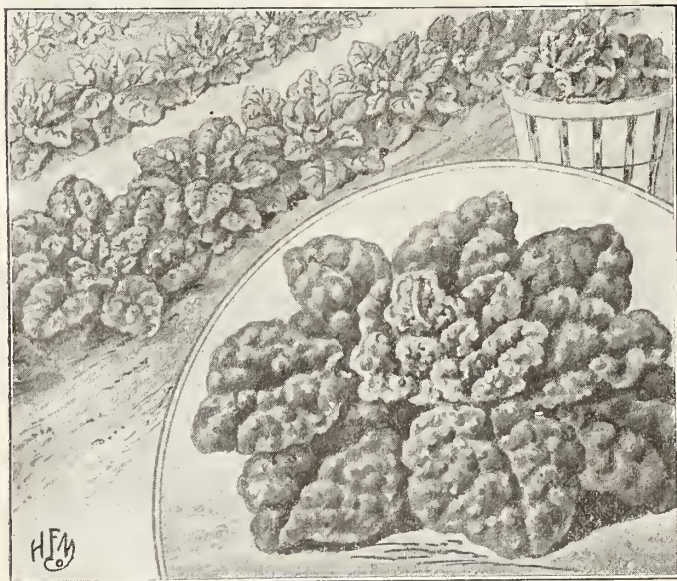
Victoria. Immense long stalks of a cherry red color, a most popular variety. Pkt., 10c.; oz., 15c.; 50c. per ¼ lb.; lb., \$1.50.

RHUBARB ROOTS

(Ready from October to May 15th.)

Victoria First Size Roots. 15c. each (by mail, 20c.); \$1.50 per doz.; per 100, \$10.00.

Victoria Mammoth Roots, for forcing or outdoor planting. 25c. each; (not mailable); \$2.50 per doz.; 25 for \$4.25; \$15.00 per 100.



Spinach, Michell's Improved Strain Bloomsdale

NOTE—All seeds on this page sent postpaid at quoted prices.

ROSEMARY (Herb) Pkt., 10c.; 30c. per ½ oz.; oz., 60c.

RUTA BAGA (See page 37)

SAGE (Herb) Pkt., 10c.; 30c. per ½ oz.; oz., 60c.

SAFFRON (Herb) Pkt., 10c.; 20c. per ½ oz.; oz., 30c.

SAVORY (Herb) Summer. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.

“ Winter. Pkt., 10c.; 30c. per ½ oz.; oz., 60c.

SHALLOTS (See page 29)

SWEET BASIL (Herb) Pkt., 10c.; 15c. per ½ oz.; oz., 30c.

SWEET MARJORAM American. Pkt., 10c.; 20c. ½ oz.; 40c. oz.

“ Imported. Pkt., 10c.; 15c. ½ oz.; 30c. oz.

SALSIFY (Oyster Plant)

Salsifis (Fr.); Hafer Wurzel (Ger.); Salsefia (Ital.).

One ounce of seed to 50 feet of drill. 10 lbs. per acre.

Sow in early spring, in drills fifteen inches apart and one to two inches deep; when about 4 inches high, thin to three inches apart. Soil should be very deep and mellow in order that the root may grow straight down. Store same as carrots for winter use, or they can be left in the ground until spring. This is one of the finest vegetables stewed and served with a cream dressing.

Mammoth Sandwich Island. This variety is of enormous size, twice as large as the ordinary white variety; very tender and delicious. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.; lb., \$4.00.



SORREL

Oseille (Fr.); Sauerampfer (Ger.); Acetosa (Ital.)

Relished principally by the French people, who use it as a spinach dressing; also as a salad. Has an acid flavor. A sowing lasts a number of years. The seed stalks should be cut off when they appear. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.75 lb.

SPINACH

Epinaud (Fr.); Spinat (Ger.); Spinaccio (Ital.)

One ounce will sow a row about 75 feet long; 10 to 12 pounds are required for an acre. Sow for spring use in drills one foot apart (covering the seed about one-half inch) as early as the ground can be worked, and continue to sow every two weeks till May 15th. Spinach seed seldom germinates during June, July or August, so we do not recommend sowing again until September, which is the season to provide an early winter and spring crop. Seed sown then is generally broadcasted and on approach of cold weather is covered with long manure, salt hay, straw or other suitable litter. On mild winter days it may be gathered, but it should not be disturbed while the plant is frozen. For a supply of spinach during summer, the New Zealand variety is sown in April or May. Spinach can also be grown successfully under hot bed sash.

Bloomsdale Round-Seeded Savoy (Improved Strain). The hardiest variety; curled and crimped, thick, fleshy leaves; the best for early spring and fall sowing. Pkt., 10c.; 15c. oz.; 40c. per ¼ lb.; per lb., \$1.50.

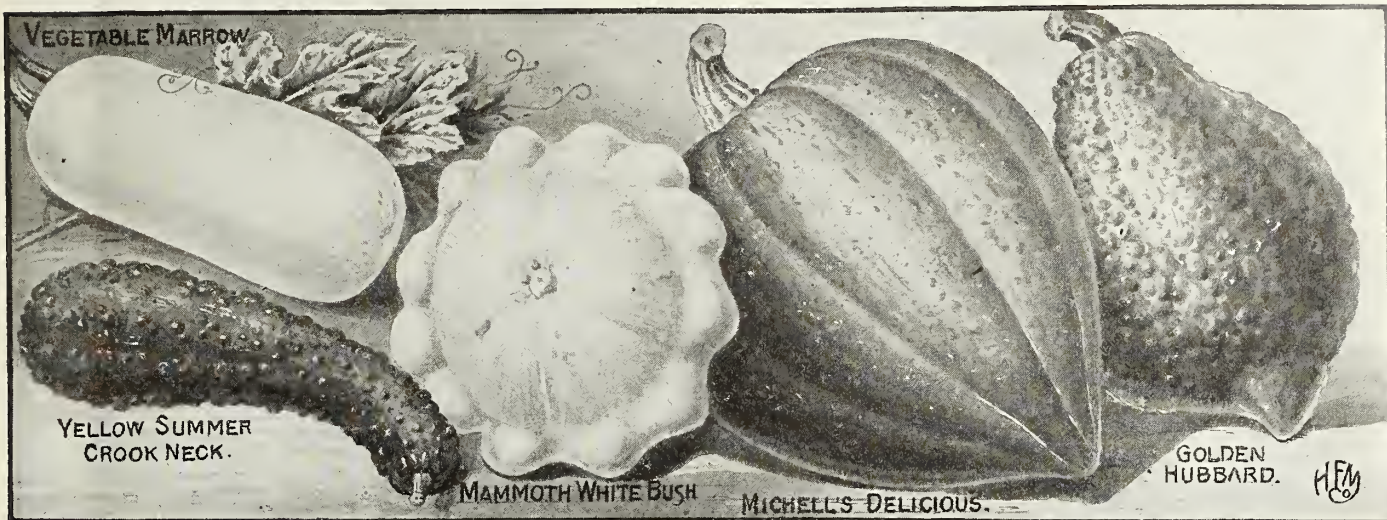
Long Season. A cross between the Bloomsdale and the Victoria Long Standing. It produces tremendously large plants and leaves which are strong and robust. It will resist heat better without shooting to seed than any variety yet introduced. The leaves are somewhat curled and are tender. Color, a beautiful dark green. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.50 lb.

New Zealand. This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is a heavy yielder, growing upright; one sowing can be picked the entire summer. A very distinct variety. Pkt., 10c.; 20c. per oz.; per ¼ lb., 65c.; \$2.25 per lb.

MICHELL'S VEGETABLE SEEDS

35

NOTE—All seeds on this page are sent postpaid at prices quoted.



SQUASH

Courge (Fr.); Speisse Kurbis (Ger.); Zucca (Ital.)
One ounce will plant 20 to 50 hills, 3 to 4 lbs. are required for an acre.

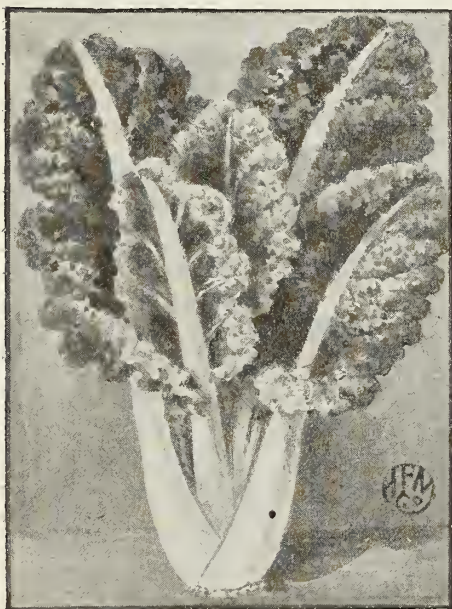
This vegetable is a popular one for summer and winter use, and being susceptible to cold it should not be planted until the ground is thoroughly warm. There are two varieties, the bush sort being planted in hills 4 to 5 feet apart each way; the running varieties require planting 8 to 15 feet apart in order that the fruits may develop properly. Set 8 to 10 seeds in a hill, and when the third stage of leaves are set, thin out to about 4 plants in a hill.

SUMMER VARIETIES

Cocozelle. This is a bush variety with smooth fruits, dark green in color, striped deeper. Pkt., 10c.; 20c. oz.; ¼ lb., 65c.; \$2.00 lb.

Golden Custard. A flat scalloped type, like the White Bush; the skin is of a light yellow color, which is very thin, leaving plenty of meat in the centre; a bush or compact growing kind. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.00 lb.

Mammoth White Bush. Of round scalloped form with an ivory white skin. This variety has an abundance of meat of very fine flavor. It is one of the earliest to mature and is very prolific, bearing continually until killed by frost. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.00 lb.



Giant Lucullus Swiss Chard

SUMMER SQUASH (continued).

Yellow Summer Crook Neck. Shaped like a club with a bent neck. The skin is very rough and warted, of an orange yellow color. Much preferred on account of its very dry meat when boiled. This variety is produced on vines. Pkt., 10c.; 25c. oz.; per ¼ lb., 75c.; \$2.50 per lb.

FALL AND WINTER VARIETIES (Running Sorts)

Boston Marrow. Shaped similar to Hubbard, golden orange; fine for canning for winter use; cooked as a vegetable or in pie. Pkt., 10c.; 20c. oz.; ¼ lb., 60c.; \$1.75 lb.

Delicious. Well named, as it has the finest flavor of any squash, of oblong shape with a deep green skin and thin rind, with a seed cavity so small that it almost meets in the centre. One of the best winter keepers; grown extensively for market; when matured it weighs from 5 to 10 lbs. and is in its prime during the early winter; one of the very best. Pkt., 10c.; 25c. per oz.; 75c. per ¼ lb.; lb., \$2.50.

Golden Hubbard. Used extensively for pie, but served as a vegetable; it is very dry and delicious. The outside is a deep orange red, while the flesh is very tender. Pkt., 10c.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.50.

Vegetable Marrow. A long, greenish white variety; fine for cooking; very sweet and tender. This is the favorite squash with the English people. Pkt., 10c.; 25c. per oz.; per ¼ lb., 75c.; \$2.50 per lb.

SWISS CHARD (Spinach Beet)

Poireau (Fr.); Mangold Kohl (Ger.); Porro (Ital.)

1 oz. will sow a row about 50 feet long.

A wonderful vegetable which is known but too little. From every possible standpoint it has qualities that recommend its use in every household. Readily grown from seed, when it can be used five weeks after sowing and is a continuous crop until killed by frost. The plant does not produce a beet root, but its valuable part is all above the ground; large leaves with broad ribs grow from the centre of the plant; the outer leaves only should be carefully pulled from the plant and the foliage part separated from the rib in preparing to cook. The former when cooked is served like spinach, which it resembles in taste; the ribs when boiled and served with melted butter are the equal of finest asparagus. When hard frosts strike the plants down, they can be taken up and placed in a cool cellar, the roots may be carried over this way with an occasional watering, and if planted in a hotbed about March 1st they will produce early spring greens.

Giant Lucullus. Very tall growing; crinkly leaves often two feet long; a beautiful ornamental plant for any garden. Pkt., 10c.; 15c. ½ oz.; oz., 25c.; 75c. ¼ lb.; lb., \$2.75.

TARRAGON PLANTS. Fine for flavoring. 25c. each; \$2.50 doz.; 100, \$17.50.

THYME (Herb). Pkt., 10c.; 50c. per ½ oz.; per oz., 85c.

THYME PLANTS (Hardy). 20c. each; \$1.50 per doz.; \$10.00 per 100.

TOBACCO

Many people like to have a few plants of this in the garden. It attracts butterflies. The flower is very sweet scented, while the leaves may be dried, cured and made into smoking tobacco and cigars. Sow in a box indoors and set outdoors in May.

	Pkt.	½ oz.	Oz.
Connecticut Seed Leaf	\$0.10	\$0.20	\$0.40
Havana Seed Leaf .....	.10	.20	.40
Pennsylvania Seed Leaf .....	.10	.20	.40

All Prices subject to change without notice

(hb)

36 MICHELL'S SELECT TOMATO SEED ..

MICHELL'S
PRIVATE STOCK
STONE TOMATO.



MICHELL'S
GLOBE TOMATO.



Pomme d'Amour (Fr.); Liebes Apfel (Ger.); Pomo d'oro (Ital.).

One ounce will produce 3500 plants; 1/4 lb. will provide enough for an acre.

Sow in the house or hotbed about March 1st, transplant when 3 inches high, and again later to produce vigorous specimens. Set plants outdoors about May 1st in rows 3 feet apart, 18 inches in the row or in hills 4 feet apart each way. Properly grown tomato plants should be supported.

Note.—All seeds on this page mailed postpaid at prices quoted.

Beauty. One of the largest bright red tomatoes, solid and meaty, quite early. Pkt., 10c.; 25c. per 1/2 oz.; 50c. per oz.; \$1.75 per 1/4 lb.

John Baer. This variety was introduced a few years ago, and commanded when first placed on the market \$1.00 per small packet. It is positively without exception the earliest tomato that we know of. The plant is very dwarf, growing in tree form and frequently the plants have small tomatoes on while yet in pots ready to be set out. The fruit is bright red and of medium size, its chief value lies in its earliness. Pkt. 15c.; 30c. per 1/2 oz.; oz., 50c.; \$1.75 per 1/4 lb.

Bonny Best. One of the most prolific of early tomatoes. The size is not so large, but it is very solid and evenly formed. Color, a beautiful bright red. Pkt., 10c.; 25c. per 1/2 oz.; oz., 50c.; \$1.75 per 1/4 lb.

Crackerjack (Michell's). This is one of the best early tomatoes for the home garden, its productiveness being wonderful; quite free from acid and of a convenient size. Color, rich red and produced in clusters. Be sure and try it if you have not already done so. Pkt. 10c.; 1/2 oz., 30c.; 60c. per oz.; 1/4 lb., \$2.25.

Dwarf Champion. A distinct type, the plant looks like a miniature tree; very dwarf and compact; color of fruit, bright red and very solid; late maturer. Pkt., 10c.; 30c. per 1/2 oz.; per oz., 60c.; \$2.25 per 1/4 lb.

Dwarf Stone. A dwarf compact growing plant, yielding a large crop of medium-sized very solid tomatoes. Color, bright red. The plant is very distinct and upright; late cropper. Pkt., 10c.; 25c. per 1/2 oz.; per oz., 50c.; \$1.75 per 1/4 lb.

Earliana (Spark's). A very prolific early tomato. Grows in clusters; medium in size; solid and very desirable. Pkt., 10c.; 25c. per 1/2 oz.; per oz., 50c.; \$1.75 per 1/4 lb.

Early Jewel (Chalk's). A favorite variety with the market gardener. Color, a bright red; solid and good shipper. Pkt., 10c.; 25c. per 1/2 oz.; per oz., 50c.; \$1.75 per 1/4 lb.

Globe (Michell's Strain). A handsome variety, especially adapted to slicing; very solid; color, a handsome red, and a great producer; one of the best general crop varieties. Pkt., 10c.; 25c. per 1/2 oz.; per oz., 50c.; \$1.75 per 1/4 lb.

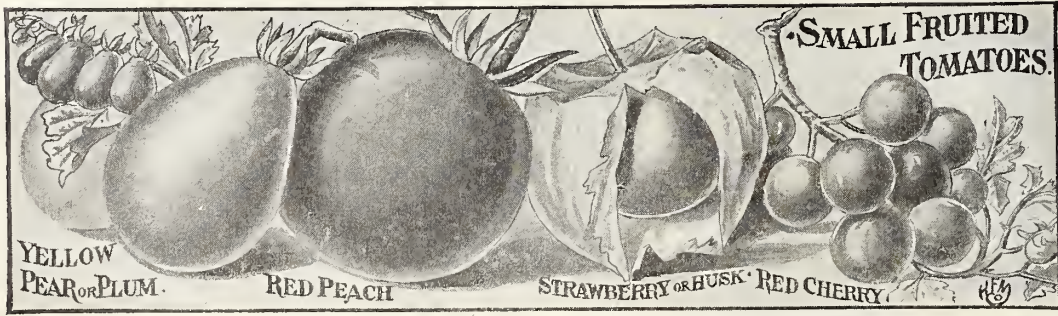
Golden Queen. Large yellow fruit; very sweet, almost free from acid; splendid for preserving or for slicing; to those who generally (on account of acidity) do not eat tomatoes, we can recommend this variety. Pkt., 10c.; 25c. per 1/2 oz.; per oz., 50c.; \$1.75 per 1/4 lb.

Matchless. Large red fruit, general crop variety. Pkt., 10c.; 1/2 oz., 25c.; oz., 50c.; 1/4 lb., \$1.75.

Ponderosa. The largest tomato in existence; a beautiful deep pink, rather uneven at times in shape. Pkt., 10c.; 30c. per 1/2 oz.; per oz., 60c.; \$2.25 per 1/4 lb.

Red Rock. One of the most solid varieties, medium early and of a brilliant red color, a fine one for the home or market garden. Pkt., 10c.; 25c. per 1/2 oz.; per oz., 50c.; \$1.75 per 1/4 lb.

Stone (Michell's Private Stock). A very careful selection of the old favorite Stone. The fruits are larger, more even, and produced in greater abundance. Pkt., 10c.; 30c. per 1/2 oz.; per oz., 60c.; \$2.00 per 1/4 lb.



SMALL FRUITED
TOMATOES.

FORCING TOMATOES

	Pkt.	1/2 Oz.	Oz.
Best of All....	\$0.10	\$0.30	\$0.50
Comet.....	.10	.30	.50
Eclipse (Original)			
pkts.)	.60		

SMALL FRUITED TOMATOES

	Pkt.	1/2 Oz.	Oz.
Red Cherry ..	\$0.10	\$0.25	\$0.50
Red Peach ....	.10	.25	.50
Yellow Pear....	.10	.25	.50
Strawberry or			
Husk .....	.10	.25	.50

TOMATO PLANTS

(Ready in April.)

See page 38.)

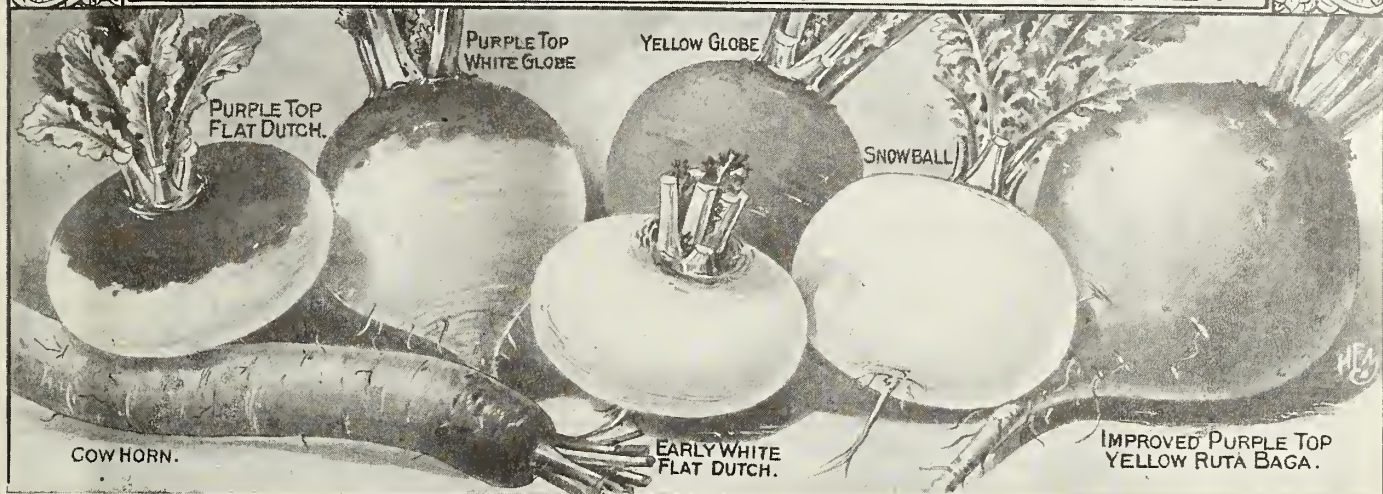
Pot Grown, leading	Doz.	100
sorts		\$0.75 \$5.00
Hot Bed Grown, leading		
sorts .....		.25 1.50

All prices subject to change without notice

(hb)

MICHELL'S TURNIP AND RUTA BAGA SEED.

37



Herbst Ruben (Ger.); Navet (Fr.); Navone, Rapa (Ital.).
One ounce of seed for 100 feet drill; two lbs per acre, broadcast.

For early use sow the small sorts as soon as the ground can be worked in the spring in drills 14 inches apart. Ruta Bagas should be sown in drills 30 inches apart. As the seed is fine it should be covered but slightly, except in very dry weather. Do not sow too thickly, so the roots can develop. For fall and winter use sow broadcast from the middle of July to the middle of August, and Ruta Bagas in drills from the middle of June to the fifteenth of August. Ruta Bagas sown early have a tendency to grow long in shape, while seed sown in August usually develops roots of a uniform globular shape.

TURNIP

Aberdeen. A flat yellow variety, a good winter keeper. Pkt., 10c.; 15c. per oz.; 50c. per ¼ lb.; \$1.75 per lb.

Cow Horn. A long white variety used for soiling and stock feeding. Pkt., 10c.; 20c. per oz.; 60c. per ¼ lb.; \$2.25 per lb.

Early Purple Top Flat. The most popular variety in cultivation, a large yielder, well flavored. Pkt., 10c.; 20c. per oz.; 60c. per ¼ lb.; \$2.25 per lb.

Purple Top White Globe. (Private stock.) This is a careful selection of the popular Purple Top Globe variety, it is very uniform in shape and one that should be grown by all who sow turnip seed. Our strain of seed is especially fine. Pkt., 10c.; 20c. per oz.; 70c. per ¼ lb.; \$2.50 per lb.

Snowball. A pure white globe variety, very early. Pkt., 10c.; 20c. per oz.; 60c. per ¼ lb.; \$2.25 per lb.

Yellow Globe or Amber. Shaped like the Purple Top Globe, but the color is like that of a Yellow Ruta Baga. Pkt., 5c. and 10c.; 20c. per oz.; 65c. per ¼ lb.; \$2.25 per lb.

NOTE.—All seed offered on this page mailed free at quoted prices.

RUTA BAGA

Ruta Bagas should be sown in drills about 30 inches apart and when 3 inches high thinned out to get the greatest root development. They need to be cultivated liberally and hilled up when about 6 inches high.

Customers frequently complain that Ruta Bagas grow too long in shape, rather than in a round form. Careful inquiry has developed the fact that this is caused by sowing the seed too early.

In the locality of Philadelphia and New York the seed should not be sown until August 1st, when it will invariably develop perfectly globular formed roots. Seed sown earlier than this invariably produces the long shaped roots with long stems.

Private Stock Purple Top Yellow. This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. It brings a high price when sold in the market on account of its shape. Pkt., 10c.; 20c. per oz.; 65c. per ¼ lb.; \$2.25 per lb.

SEEDS OF CULINARY AND MEDICINAL HERBS

A few herbs in the garden will be found very convenient, there being so many uses to which they can be put in the green and also dry state. For winter use they should be cut just as they come into flower, tied in bunches and hung in a light, airy place indoors, where they can be available any time.

	Pkt.	½ Oz.	Oz.		Pkt.	½ Oz.	Oz.		Pkt.	½ Oz.	Oz.
Anise .....	.10	.15	.30	*Fennel (Sweet) .....	.10	.15	.25	*Savory Winter .....	.10	.30	.60
Basil (Sweet) .....	.10	.20	.35	*Lavender .....	.10	.25	.40	Sweet Marjoram ....	.10	.15	.30
Borage .....	.10	.15	.30	*Mint Peppermint ....	.25			Sweet Marjoram			
Caraway .....	.10	.20	.35	*Pennyroyal .....	.10	.35	.70	American .....	.10	.20	.40
*Catnip .....	.15			*Rosemary .....	.10	.30	.60	*Thyme, Broad Leaved. .10	.50	.85	
*Chives .....	.10	.15	.25	Saffron .....	.10	.20	.30				
Coriander .....	.10	.15	.25	*Sage .....	.10	.30	.60				
Dill .....	.10		.20	Savory Summer .....	.10	.20	.40				

*Varieties are hardy or perennial, while others must be sown each season.



All prices subject to change without notice.

(hb)



VEGETABLE AND HERB PLANTS AND ROOTS

SPECIAL NOTICE

On account of the increased cost of everything, and with the desire to maintain prices as low as possible on Vegetable Plants for 1919, we have adopted the following rule:

Where Vegetable Plants (which are carried in stock) are taken with at time of purchase, not requiring shipping or packing for delivery, we will make the following reductions in price: Less 5c. per doz. or 75c. per 100. This assures you of having your plants timely and in good order, it will also relieve our packing department.

ARTICHOKES (Ready in April)

Green Globe. Pot grown. \$1.75 per doz.; 25 for \$3.00; \$10.00 per 100 (by express only). Jerusalem. Used for table and stock feeding. 30c. qt.; peck, \$1.50; \$5.00 per bu.

ASPARAGUS ROOTS (Ready from October 15th to May 15th)

The two-year-old roots usually produce two years after planting, the three-year-old may be cut timely one year after planting.

2 Year Old Roots	Doz.	100	1000
Argenteuil	\$0.30	\$1.25	\$10.00
Barr's	.30	1.25	10.00
Conover's	.30	1.25	10.00
Palmetto	.30	1.25	10.00

3 Year Old Roots	Doz.	100	1000
Argenteuil	\$0.40	\$1.75	\$15.00
Barr's	.40	1.75	15.00
Conover's	.40	1.75	15.00
Palmetto	.40	1.75	15.00

BRUSSELS SPROUTS (Ready in July)

Matchless Improved (Hot-Bed Grown). 25 for 25c.; 75c. per 100; per 1000, \$6.00. If wanted by mail, add 10c. per 100 for postage.

CABBAGE PLANTS

(Ready in season beginning April 1st)

Early Sorts. From hot beds. Wakefield and All Head only. Ready April 15th. 60c. per 100; per 1000, \$5.00.

Early Sorts. Sturdy plants from cold frames. Ready April 1st, in Wakefield and All Head varieties only. \$1.00 per 100; per 1000, \$7.00.

Late Sorts. Ready July 1st in Late Flat Dutch and Danish Ball Head varieties and Red Dutch Drumhead varieties only. Per 100, 60c.; \$4.00 per 1000. If cabbage plants are wanted by mail, add 15c. per 100 for postage.

CAULIFLOWER PLANTS (Ready April 1st)

Snowball variety only. From hot beds. 25c. per doz.; \$1.50 per 100.

Snowball variety only. Pot-grown. 75c. per doz.; \$5.50 per 100.

If hot bed Cauliflower are wanted by mail, add 5c. per doz., or 15c. per 100 for postage charges.

CELERY PLANTS (Ready in July)

White Plume, Giant Pascal, Winter Queen and Golden Self-Blanching. 75c. per 100; \$6.00 per 1000.

If Celery Plants are wanted by mail, allow 4 lbs. weight per 100 for postage.

CHIVES (Ready in April)

Strong Plants. 15c. each; doz., \$1.50; \$10.00 per 100. Allow 5c. each for mailing if wanted by parcel post.

EGG PLANTS (Ready after May 15th)

Sold in pot-grown stock only.

New York Improved and Black Beauty. 7c. each; 75c. doz.; \$5.50 per 100.

HOP VINE (Hardy)

This makes a valuable shade plant, grown on arbors, trellis, etc.

Strong Pot-Grown Plants. 20c. each; doz., \$2.00; 100, \$15.00.

HORSE RADISH ROOTS (Ready in March)

Maliner Kren (Bohemian). Large, strong cuttings, 30c. per doz.; per 100, \$1.00; \$7.50 per 1000.

If Horse Radish are wanted by mail, add 10c. per 100 for postage.

LAVENDER (Ready in April)

Pot-grown plants. 25c. each; per doz., \$2.50; \$15.00 per 100. If wanted by mail, add 5c. for postage.

LETTUCE PLANTS

Heading Varieties; our selection only. 25 for 15c.; 50c. per 100; \$4.00 per 1000. If wanted by mail, add 10c. per 100 for postage.

MINT (Hardy) (Ready in April)

Peppermint. 20c. each; per doz., \$1.50; \$10.00 per 100.

Spearmint. 20c. each; per doz., \$1.50; \$10.00 per 100.

PARSLEY PLANTS (Ready in April)

Pot-grown. 7c. each; doz., 75c.; per 100, \$5.50.

PEPPER PLANTS (Ready in May)

Bull Nose and Ruby King varieties only. Pot-Grown Plants. 75c. per doz.; per 100, \$5.50.

Hot-Bed Grown. 25c. per doz.; per 100, \$1.50.

RHUBARB ROOTS

(Ready from October to May 15th)

Victoria First Size Roots. 15c. each; \$1.50 per doz.; per 100, \$10.00. Allow 5c. each or 25c. doz. for postage, if wanted by mail.

Victoria Mammoth Roots for Planting Out or Suitable for Forcing. 25c. each (not mailable); \$2.50 per doz.; 25 for \$4.25; \$15.00 per 100.

ROSEMARY (Perennial) (Ready in April)

Pot-grown plants. 25c. each; doz., \$2.50; \$15.00 per 100.

SAGE (Hardy) (Ready in April)

Holt's Mammoth. Pot-grown plants. 20c. each; per doz., \$1.50; \$10.00 per 100.

SWEET POTATO PLANTS (Ready in May)

Yellow and Red Nansemond. 75c. per 100; 1000, \$5.00. If wanted by mail, allow 15c. per 100 for postage.

TARRAGON (Hardy) (Ready in April)

Hardy if given protection in winter. Pot-grown plants. 25c. each; doz., \$2.50; \$17.50 per 100.

THYME (Hardy) (Ready in April)

English Broad Leaved. This is almost an indispensable herb. 20c. each; doz., \$1.50; \$10.00 per 100.

TOMATO PLANTS (Ready after April 15th)

Pot-Grown Plants in the following varieties only: Earliana, Stone, Dwarf Stone, Ponderosa, Crackerjack. 7c. each; doz., 75c.; \$5.00 per 100.

Hot-Bed Plants in the following varieties only: Stone, Earliana, Ponderosa and Dwarf Champion. 25c. per doz.; per 100, \$1.50. If wanted by mail, allow 5c. per doz. for mailing Hot-Bed Grown Tomatoes.

FIELD SEED CORN

ABOUT PRICE ON FIELD CORN

This is so variable that we have purposely omitted it, prices will be quoted on request, otherwise orders will be filled and charged at our current rates for first-class seed corn.

Plant 8 to 10 qts. per acre in hills or sow $2\frac{1}{2}$ to 3 bushel broadcast for fodder

Our strains of corn are not the common kinds usually found in abundance on the market; we pay as much attention to carefully selected stocks in all lines of farm seeds as we do the critical vegetable and flower seed part of the business. This is particularly true of field corn where re-selection means the limit of crop with little or no increase in cost. It is amazing to realize where the old unselected seed is used, the average crop per acre is only half compared to the more intelligent selection of strains. Our stock is selected for size of ear and fodder, uniformity of kernel and the careful finish of the tip and butt, all of which means a considerable increase in production.

Never use Feeding Corn for Seeding Purposes

Field Corn weighs 56 lbs. per bushel shelled

Champion White Pearl. An immense yielder, maturing in about 115 days, kernels being deep set and snowy white, the merits of this corn are surprising.
Cloud's Early Yellow Dent. Our stock of this is grown on especially prepared ground. Every grain is uniform and perfect. Though the fodder grows often 10 feet high, the crop is matured in 100 days. The ear is about 10 inches long with a very thin cob when shelled, while the canary yellow grains are about $\frac{3}{4}$ of an inch long. It delights in rich soil if the best is expected of it.
Early Canada Flint (Eight Rowed). This is a medium broad grained variety, perfectly smooth on the end and very hard. Makes a desirable sort for late planting. The cobs are very thin when shelled, excellent for pigeon and poultry feed.

Early Mastoden. An early robust growing variety, producing large ears and deep grain; it is light yellow in color, and one of the leading sorts.

Eureka Yellow Dent (Ensilage). Light canary yellow, deep grained, fine ear and fodder.

Golden Beauty. The broad massive golden yellow dented grains are arranged very evenly on gigantic ears. The fodder is enormous, often growing 12 feet high; it matures late, but yields wonderful crops; desirable for silo and ensilage purposes.

Hickory King. A very broad dented white grain, white cob variety, for ensilage, silo and fodder purposes it is ideal. It matures very late, and is an enormous producer.

100 Day Bristol. This matures within the time named and produces large stalks. The ears are about 9 inches long, very thin cob when shelled. The sulphur yellow grain is dented, very broad and not very deep; an easy variety to husk.

Leaming Early Dent. This variety has always been used foremost by most planters of field corn in the locality of Philadelphia. It is readily distinguished by the beautiful long ears of deep grained, uniform kernels, resplendent in a deep shade of golden orange. The cob when shelled is very small and of reddish color. The stalks grow about 7 feet high, very leafy, excellent for fodder, and on the average will produce two ears to the stalk. This strain assures the largest ears with every kernel perfect; ripens in 90 days and occasionally crops 100 bushels to the acre. Our stock is grown by the most experienced grower, who carefully selects and re-selects the seed to assure the planter a bumper crop. Every grain is uniform and perfect.

Reid's Yellow Dent. A splendid late variety with an average record of 100 bushels per acre; small cob, deep bright yellow grain.

Red Cob Ensilage. A long narrow white grain, a late maturer and used for silo, green feed or ensilage purposes. A tall rank grower and prolific in leaves.

Silver King. A pure white dent corn, ripening in 100 to 105 days, ears averaging 8 to 9 inches long, grains closely set and straight in the row. The ears grow a uniform size.

Virginia Ensilage. This grows invariably 12 to 14 feet high, stands up during the most severe windstorms. The seed is white, very deep and broad, with a thin red cob. It is the principal ensilage corn of the South. It will yield more fodder than any other variety.

PRICE OF FIELD CORN ON APPLICATION

AMERICAN HAND CORN PLANTER

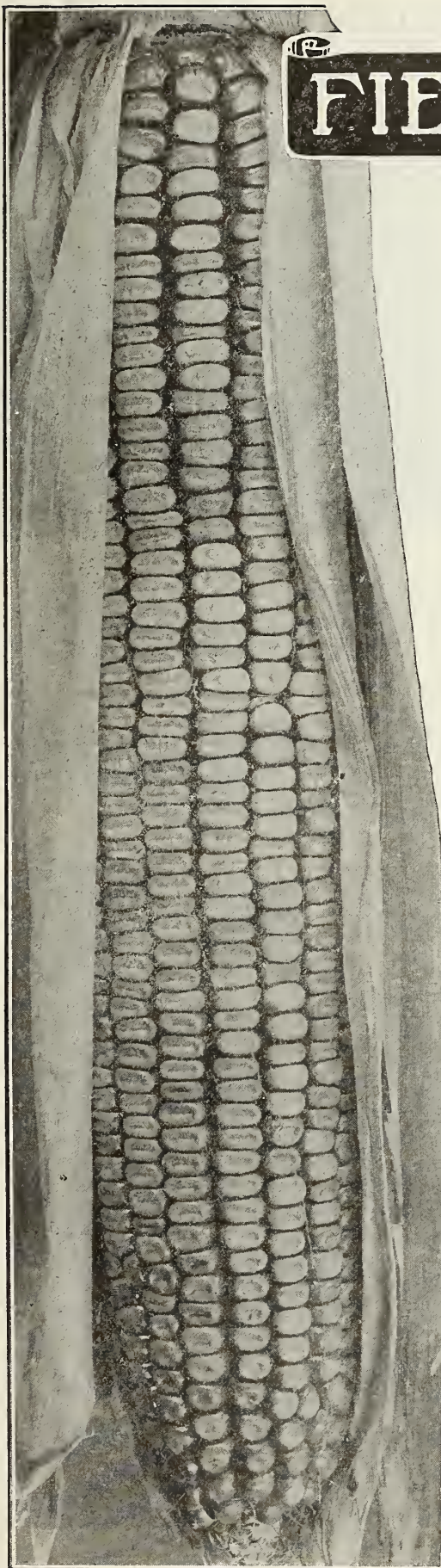
A planter of this type is a great economizer of seed, saving labor. Price, \$4.00.
 No. 6 $\frac{1}{2}$ Keystone Horse Power Planter. Price, \$25.00.

ABOUT FIELD CORN ON EAR

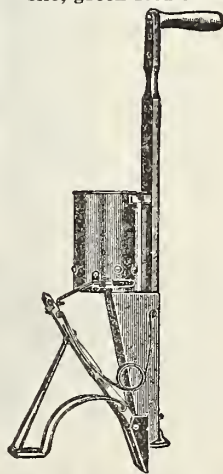
We have discontinued handling it in this form. All our seed corn is shelled from carefully tipped and butted ears.

2-bushel Seamless Bags on Corn orders are charged for at 75c. each. These are returnable for credit.

(hb)



Leaming Corn



American Hand Corn Planter



Part of a 60-acre tract of land sown to Alfalfa on the farm of W. A. Rossiter, near Langhorne, Pa. Seed furnished by us.

Alfalfa or Lucerne (*Medicago Sativa*). The most valuable forage crop on the American farm today, and can be truly termed a mortgage lifter. It is sown during May, August and September, these being the best months for success, although it can be sown at other times with a possible chance of doing well. Careful preparation of the soil previous to sowing is the main thing. Our special Circular on Alfalfa goes into this carefully and is free for the asking. Sow not less than $\frac{1}{2}$ bushel (30 lbs.) per acre preferably with no other crop. Our seed is always over 99 per cent. pure, and will invariably give the best of results. **Choice Non-Irrigated Western Grown Seed.** Price on application.

Grimm Alfalfa. Claimed to be hardy in any and all regions, a heavy yielder and of deeper rooting ability. Highly recommended by various State Experiment Stations. It requires about 10 lbs. of Grimm Alfalfa to properly seed an acre on account of its great root system and spreading habit. Price on application.

Alsike or Swedish Clover (*Trifolium Hybridum*). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. Under ordinary conditions it grows from 1 to 2 feet high, is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. The flower resembles the white clover except that the head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone or 8 lbs. per acre with timothy. Price on application.

Bokhara or Sweet Clover (*Melilotus Alba*). While extensively used as a bee food, this is a valuable variety for soiling (green manure); for sowing in spring on lands which are later to be sown in Alfalfa, this is excellent. It inoculates the ground and seems to render it more capable of insuring a good stand of Alfalfa than if it is not used. It grows from 3 to 5 feet high, according to soil and location; can be cut as often as three times in a season if wanted for forage. Sow 15 lbs. per acre in early spring, alone, or 10 lbs. per acre with other crops. We handle only the true white flowering hardy variety. **Choice Hulled Seed.** Price on application.

Crimson Clover (*Trifolium Incarnatum*). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year. Fall or late summer seeding is usually practiced. It is not hardy for more than one season and must be sown each year. Price on application.

Mammoth Red Clover (*Trifolium Pratense Perenne*). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. The seed cannot be distinguished from the former. Our supply, however, is strictly reliable. Sow in early spring or in July and August, using 20 lbs. per acre alone or with other crops 10 lbs. per acre; flowers pink. It can be cut several times in a season. Price on application.

Red Clover, Medium (*Trifolium Pratense*). More widely known and used than any other, used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. A red clover field can usually be cut twice in a season. It is not hardy for a period of years, being usually resown every third season; flowers pink. Price on application.

White Dutch or Lawn Clover (*Trifolium Repens*). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone, or 5 lbs. if sown on old turf or with other crops. 10c. per oz.; $\frac{1}{4}$ lb., 20c.; 75c. lb.; 5 lbs., \$3.65; \$7.00 for 10 lbs.; bu. (60 lbs.), \$40.00; \$65.00 per 100 lbs. Prices on White Clover subject to change.



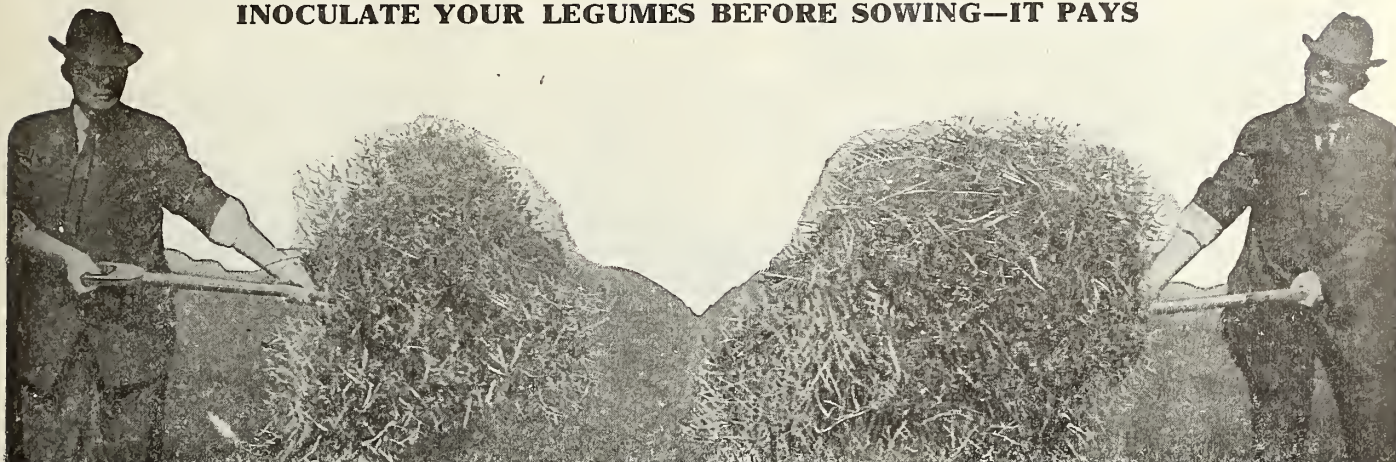
Our Strains of Red Clover are unusually fine

NITROGEN-GATHERING BACTERIA

THE WONDERFUL FERTILIZER
FOR LEGUMINOUS CROPS

41

INOCULATE YOUR LEGUMES BEFORE SOWING—IT PAYS



Alfalfa from a well prepared Seed Bed—No Inoculation

Alfalfa from a well prepared Seed Bed—Inoculated

The most Fertilizer Value of Legumes depends largely upon Inoculation with these Bacteria. 1000 to 2000 Pounds of Nitrates to the acre can be deposited in little sacks or nodules on the roots of the legumes, which will be immediately available for any following crop. Legumes embrace all of the various types of clovers, peas, beans and such other plants that have blossoms similar in shape and form to the above named. This type of plant has the ability of taking from the air vast quantities of free nitrogen, which exists there and which is not absorbed by other plants than those which belong to the legume family. This nitrogen is taken (breathed so to say) through the stems of the plant and deposited at the roots in little sacks or nodules, where it becomes immediately available as plant food in the form of nitrates. The application of bacteria to the seed of these legumes when planting practically trebles the nitrogen-gathering power and for this reason we urge all planters to use it on all such occasions. Please note that the bacteria is not applicable to any other class of plant through inoculation, except as noted below; succeeding crops, though, following on ground where bacteria was used, derive tremendous benefits, as many plants that are not legumes require quantities of nitrates as plant food.

Mulford Cultures

FOR LEGUMES

PRICES

5-Acre Size (A Dollar per Acre) ..	\$5.00
1-Acre Size	1.50
1/4-Acre .....	.50
Small Size (Supplied only for Garden Peas, Garden Beans, Lima Beans and Sweet Peas) .....	.25



Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil.

Mulford Cultures are scientifically prepared and tested with the utmost care and skill. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your seed. The sealed bottle insures purity.

Legumes offer the best-known means of maintaining soil fertility and rejuvenating over-cropped and wornout fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, cotton, corn and other non-legume crops.

The U. S. Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation of legumes with nitrogen-fixing bacteria to induce a prompt "catch" and increase your yield.

Mulford Cultures are prepared for

ALFALFA (Lucerne)	ALSIKE CLOVER	VETCH
CRIMSON CLOVER	BURR CLOVER	VELVET BEANS
SWEET CLOVER	COW PEAS	SWEET PEAS
RED CLOVER	SOY BEANS	GARDEN PEAS
	PEANUTS	GARDEN BEANS

LIMA BEANS
LESPEDeza
BEGGAR WEED
AND OTHERS

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

ALPHANO INOCULANT

comes in a finely powdered form, making it easy to use. But, most important of all, it guarantees to you bacteria of the highest possible vigor. The carrier used makes an ideal material for the bacteria's breeding and living place. They retain



Roots of cow peas inoculated with Alphano Inoculant, showing the abundance of nitrogen nobs or nodules. Each one is filled with millions of air nitrogen gathering bacteria.

PRICES OF ALPHANO INOCULANT

Trial size, 25c. (by mail, 35c.); 1-acre size (net weight of can, 2 lbs.), \$1.00; 10-acre size (net weight, 20 lbs.), \$8.00 (postage extra).

All prices subject to market changes

(hb) 7

42 MICHELL'S HIGH GRADE FARM SEEDS, Etc.

We make a specialty of Farm Seeds, and on this and the following 3 pages will be found a list of the popular kinds. They are all extra re-cleaned of new crop and should give splendid satisfaction. Prices are not named here for large quantities as they fluctuate constantly, however we will be pleased to quote prices before shipping, or if customers wish we will fill their orders at lowest prevailing rates for high quality seed. All weights are Penna. and Phila. legal standard.

Two-bushel seamless bags are charged for on all orders for farm seeds at 75c. each. These are returnable for credit at the price charged.

ALFALFA (See page 40)

ARTICHOKES (See page 38)

BUCKWHEAT

In the locality of Philadelphia this is sown anywhere from June 1st to July 15th; one bushel of 48 lbs. broadcasted to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. It makes a very fine quality of flour, but is largely used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flower makes ideal bee food; while the straw is very abundant. Our seed is grown by a specialist in New York State, who procures his seed stock every few years from Japan. Any of the clover crops can be sown with buckwheat, these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre. **Silver Hull.** Late maturing variety; grain making whiter flour; very prolific.

Japanese. Very early variety. Dark, large grain. Price of Buckwheat on application.



A Field of Japanese Buckwheat

BARLEY

The straw is good for green feed or when cured, as hay. The grain in the hull is excellent poultry feed. If wanted for hay it should be cut while the grain-head is in a soft or milky condition. Sow broadcast $1\frac{1}{2}$ to 2 bushels per acre from May 15th to July 1st. 48 lbs. per bushel.

Barley makes an ideal nurse crop for spring sown Alfalfa. When sown in connection with alfalfa use $\frac{1}{2}$ to $\frac{3}{4}$ bushel per acre broadcast; when ripe harvest as usual or cut and rake off.

Beardless. New York grown stock frequently yields 50 bushels per acre. Price on application.

NOTE.—While offered as beardless, barley has the fault if not carefully selected for seed purposes of reverting back to its type which is bearded, so that a few stalks of bearded heads will invariably appear in the field.

BROOM CORN

The chief value of this plant lies in the top or brush, as it may be called, which is made into brooms. The fodder is suitable for bedding and grows to a height of about nine feet. This sort produces extremely straight brush, retaining its green color well after ripening, thus commanding highest market prices. Sow in May about ten pounds per acre in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row. It is usually in condition for cutting on the first approach of the frost, the brush part being gathered first.

Evergreen. Yields 1000 lbs. of salable brush per acre. Bushel 50 lbs. Price on application.

CLOVERS (See page 40)

FLAX

This is grown for the fibre from which linen thread is made and also for the seed from which that indispensable product, "Linseed Oil," is made. When ground it makes an excellent tonic when fed to horses, cattle and poultry. If sown to harvest seed, plant a bushel to the acre from May 15th to June 15th. If desired for the fibre, sow $1\frac{1}{2}$ to 2 bushels (bushel, 56 lbs.). Price on application.

GRASSES see pages 46 to 49 inclusive.

Beardless Barley



BEANS, SOJA OR SOY

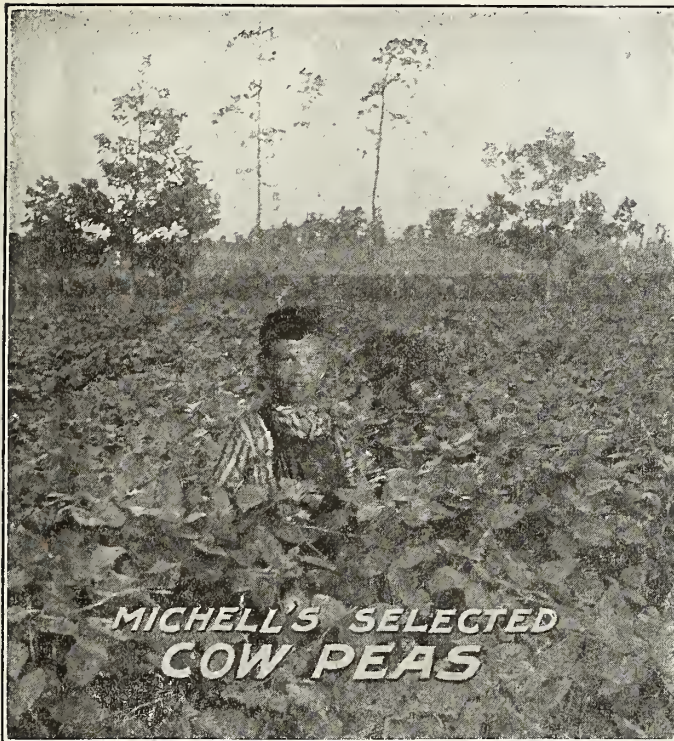
This very valuable farm plant enriches the ground in which it is planted by the free nitrogen gathered from the air and which is deposited in the ground by the roots, leaving it in ideal condition and rich in nitrogen for the next crop. Fodder is relished in either green or dry form by cattle and dairy cows. Excellent to combine as feed with other hay or corn. The seed when harvested and ground into meal gives milk a very rich flavor and is fed with great advantage to milch cows mixed with bran or any other soft feed. Sow $1\frac{1}{2}$ bushels per acre alone or $\frac{1}{2}$ bushel Soja Beans with one bushel Cow Peas. Sow in drills 2½ feet apart anytime from the first to the last of May. If wanted for silo it will be ready for harvest about the first of September or earlier, when the pods will be well filled; yields as high as 20 tons of green food per acre. (Per bushel, 60 lb.)

Mammoth Yellow (Late) | **Wilson** (Early)

Prices on Application

2-Bushel Seamless Bags used on Farm Seeds. 75c. each (returnable at price charged)

(ha)



COW PEAS

Note: Occasionally some people order Cow Peas, thinking they are the same as **Canadian Field Peas** and sow them early and in consequence they do not germinate, as they do not stand cold, and the innocent seedsmen is blamed for what is not his fault. There is a wide difference between Cow Peas and Canadian Peas, the latter are offered in the opposite column.

Cow Peas are one of the best, largest yielding and most nutritious of the farm crops; they provide the most inexpensive methods of bringing soil back to a stage of fertility. In the South it is the staple forage crop for winter feeding. On ordinary ground they will yield from 10,000 to 20,000 lbs. of green fodder to the acre. They grow in the poorest kind of soil, taking the free nitrogen from the air, which is deposited in the ground through the roots, leaving it very rich in ammonia. The short-growing varieties are best for turning under as green manure, while the trailing sorts are desirable for hay. Cattle, sheep or hogs can be turned into a field of them and they will eat them greedily and the stubble can be plowed under. In the latitude of Phila. sow from May 1st to July 1st, 2 bushels per acre broadcast, or 1 bushel per acre in drills. For a large crop sow the seed as late as possible and not too thick.

Black. One of popular varieties extensively grown. It is very prolific and matures early. It is of upright growth, consequently preferred for ploughing under or for grazing stock.

Large Black Eye. An exceedingly heavy cropper, but late to mature. In the South the seed of this variety is sold for dried peas for household use; it is claimed they are quite delicious.

Whippoorwill. Medium early, upright growing, variety extensively used, more than any other. The seed is brown and gray speckled. It is a heavy producer of both pods and fodder. Some claim this variety gathers more nitrogen than others.

Prices: These fluctuate constantly; will be quoted on request.

NITROGEN-GATHERING BACTERIA—MULFORD GERM

This will be found a very valuable preparation in connection with plantings of Cow Peas. See page 41 for full particulars.

Two-Bushel Seamless Sacks, used in Shipping Farm Seeds, are charged for at 75c. each; returnable at price charged.



Canadian Cluster Oats

CHOICE SEED OATS

Our prices are all based on the legal weight of 32 lbs. per bushel. Sow from April till June, 3 bushels to the acre.

Our stocks of Seed Oats are unusually good, free from weeds, mustard, etc., and may be counted upon to yield large crops.

Swedish or Washington. The long erect straw is noted for its ability to stand up in rough weather; grains are very plump and nearly pure white in color; this variety is especially free from rust and other disease. 15c. qt.

Canadian Cluster. This variety is an enormous yielder, producing very large heads. Originally brought from the oats-belt of Canada, but has now been thoroughly acclimated in the United States. 15c. qt.

Storm King (Pedigree Stock). Our strain of this variety was brought from Russia five years ago and is, without a doubt, the finest and plumpest oats we have ever seen. The straw is very stiff, often measuring five feet in height. Our supply of this is always limited, and we recommend early ordering. Often yields 85 bushels per acre. 20c. qt.

Tartar King. This is one of the popular varieties, extensively grown in the locality of Philadelphia; it yields a heavy stiff straw and is a large producer. 15c. qt.

Price for larger quantities of Oats on application.

FIELD PEAS (Canadian)

These are used for various purposes, among them being an early green food for cattle; when used this way they are sown with oats about April 1st at the rate of 1½ bushel of Peas and 1½ bushel of Oats to the acre either drilled or broadcasted. They are cut just after the peas flower and fed green; sheep, hogs and cattle relish them keenly. They may be sown successively up to July if one has the available land. Peas may also be sown alone at the rate of 3 bushels per acre and furnish excellent hay. For plowing under as green manure, they add a vast amount of nitrogen to the soil and succeeding crops sown there the same year or even later, particularly wheat, are wonderfully benefited by producing a more luxuriant growth and larger yield. The dried peas are extensively fed to pigeons, while when ground as meal is an excellent addition to the regular soft food of cows, sheep and horses. Price changes constantly and will be quoted on request.

44 MICHELL'S SELECTED FARM SEEDS, Etc. Prices on All Farm Seeds are Subject to Market Changes

CARROT SEED

See offer under page 16.

CATTLE BEETS (Mangel Wurzel)

See offer under page 26.

COTTON SEED

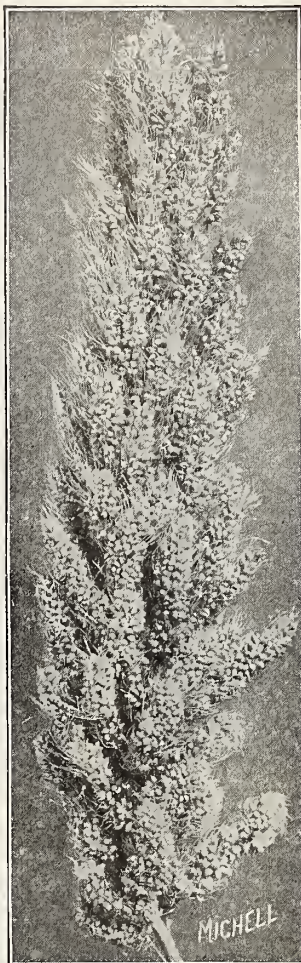
Sea Island. If sown early in May, will mature in the latitude of Philadelphia. 15c. per $\frac{1}{4}$ lb.; lb. 40c.; \$1.25 for 5 lbs.

KAFFIR CORN—White, for Seed

This belongs to the Sugar Cane family and has great drought-resisting qualities; the grain is used for feeding poultry and the fodder for cattle, is ideal for planting where the corn seed has failed to germinate and it is too late to replant. Grows from 4 to 6 feet high, the grain being produced on the top of a stalk in the shape of a brush; frequently as many as four heads of grain will be found on a single stalk. It usually ripens after the first few frosts; produces enormous crops. Can be sown as late as July at the rate of 10 lbs. per acre in drills. Bu. (56 lbs.), 15c. lb. Price for larger quantity on application.

RAPE

Dwarf Essex. This makes an indispensable green food for sheep and hogs. It can be pastured 8 weeks after sowing; the growth is enormous; if one has the available land it is good to sow in succession, as the stock eat it close to the ground and it will not stand pasturing any great length of time; this, of course, depends on the number of head turned on an acre. Sow 6 lbs. per acre broadcast or in drills from April 1st to October 1st. It produces enormous crops and is ideal green manure. Experiment Stations recommend that stock, feeding on it, should have ready access to salt. This is an ideal food for young lambs and hogs and does well under trying conditions. 25c. lb. Price for larger quantity on application.



A Head of Japanese Millet

MILLET

Can be sown as late as July 15th and yield a tremendous crop. Is also desirable for green manuring, when it should be turned under when about 10 inches high. It makes an excellent green food for stock not allowed to pasture. If used for hay and dried it should be cut just as it matures.

Hungarian. The seed produces hay not so fine in quality as the "Golden," also fully a foot less in height, it can, however, be sown some 2 weeks later. Sow 1 bushel (50 lbs.) per acre. 15c. lb. Price on larger quantities on application, account of change in market value.

Japanese Barnyard. This wonderful Millet yields possibly more fodder than any other forage plant that requires so little to sow an acre. Frequently as high as 12 tons of green food has been obtained from an acre. If sown early in May it may be cut twice in one season. Sow 12 lbs. per acre broadcast anywhere from May 1st to June 15th. 15c. lb.

Pearl (Pennisetum Spicatum). A valuable fodder plant. Enormously productive. Sow in drills 2 feet apart, 10 to 12 lbs. per acre. 15c. per lb. Price for larger quantities on application.

Tennessee Golden. This requires a longer season to mature than the other sorts; it produces a very fine quality of hay and makes a larger seed head. In good seasons it grows about 4 ft. high. Sow 1 bush. (50 lbs.) broadcast to the acre, from April 10th to July 10th. 15c. lb. Price on larger quantities on application, account of change in values.

SEED RYE

Spring. This furnishes an excellent early green food if cut, or for pasture; the grain is used for feeding and other purposes, while the straw is a very fine quality, making a larger yield than the winter rye from which it is quite distinct, the seed being smaller. Sow $1\frac{1}{2}$ bushels broadcast or in drills from May to June 1st. 56 lbs. per bu. Price on application.

Thousandfold Winter. This makes a fine

winter cover crop, being usually sown in the autumn as late as November, making a very fine yield of long stiff straw. Winter rye will not mature if sown in spring. Sow $1\frac{1}{2}$ bushels per acre. Price on application

SUGAR CANE or SORGHUM

Early Amber. Either green or in a cured state this makes ideal cattle food; it imparts a desirable flavor to milk. The seed can be thrashed out of the stalks and used as poultry feed. It is a tremendous producer, growing often 12 feet high; it stands the hot, dry weather and can be cut several times in one season. Sow 25 lbs. of seed to the acre in drills $3\frac{1}{2}$ feet apart; 1 or 2 bushels broadcast. Bu. (50 lbs.), 15c. lb. Larger quantity price on application.



Sorghum Makes Fine Green Food for Dairy Cows



A Bumper Crop of Spring Rye

MICHELL'S SELECTED FARM SEEDS, Etc. 45

TIMOTHY SEED

ALL PRICES SUBJECT TO CHANGE

Each year we handle a number of carloads of this. We aim to sell the purest and highest germinating quality. Our prices are as low as quality will allow. 45 lbs. per bushel. **Price, 20c. per lb.** Samples and quotations on larger quantities furnished cheerfully on request.

TEOSINTE (*Reana Luxurians*)

This is used extensively in the South, where it is, at times, difficult to grow forage crops on account of the long periods of drought and frequently poor soil; a single plant makes a tremendous growth, often producing as many as fifty stalks. Its foliage is like corn leaves, very broad and contain a sweet sap. Cattle eat it with a relish. It stands 5 feet high when matured, but it can be cut when two or three feet high. It produces new branches or stalks from the roots. Sow during May and June in drills $3\frac{1}{2}$ feet apart, 5 to 6 lbs. per acre. Price on application.

SUNFLOWER

Mammoth Russian. This makes a splendid poultry food, especially for winter use, on account of its heating and fattening qualities. Will yield sometimes as high as sixty bushels per acre. Harvest after first few frosts, cutting the seed head from the plant, piling them loosely on the grain floor or hanging them in bunches on the rafters of the barn until thoroughly dry. Sow 10 qts. per acre in drills 3 feet apart, dropping the seed about every 4 inches. 20c. per lb. Price for larger quantity on application.

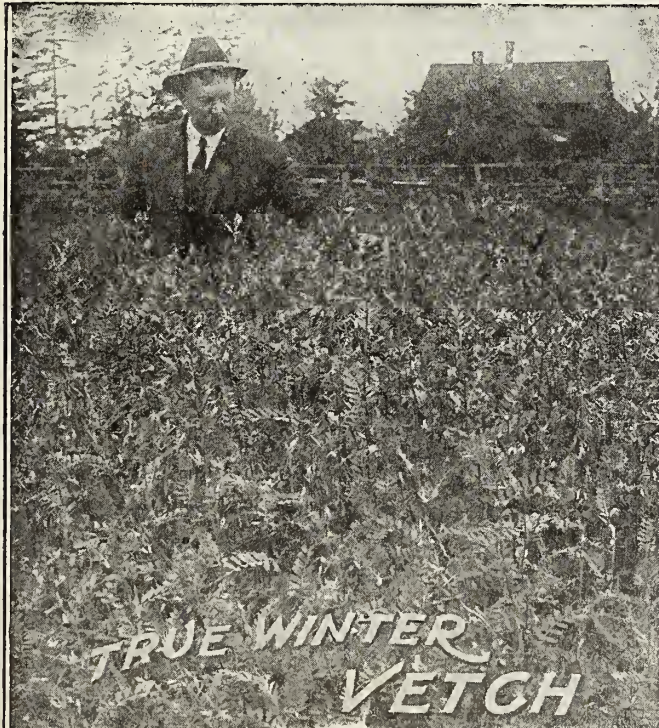
SPELTZ OR EMMER

This seed resembles barley, but is a much larger yielder, producing frequently as high as 80 bushels of grain per acre, and that on the poorest land. The hay if cut green is desirable for horse or cattle feed, while the straw after thrashing is equal to wheat straw. The grain is desirable for feeding to hogs or poultry. Sow as you would wheat, 2 bushels to the acre any time after April 1st; the earlier the better. 40 lbs. per bushel. 10c. per lb. Price for larger quantity on application.

VETCHES or TARES

This has been used in Europe for many years as a stock food and green manuring or cover crop. It does best if sown with rye, the latter gives it support and thus ensures enormous crops. It makes an ideal hay and it is a pity that every American farmer does not use it. It fertilizes the ground without further trouble or cost, on account of the free nitrogen it gathers from the air. It produces a peculiar vine plant with very narrow foliage and elongated flowers of pinkish lavender in clusters. The height when supported is frequently 4 feet.

Winter Vetch (*Vicia Villosa*). Sometimes called Sand or Hairy Vetch. Our stock of this is the true type, being imported by us direct from Russia and which will absolutely live throughout the winter. There is also an English strain on the market which is not hardy in the northern sections of the United States, and buyers should beware when buying that they procure the right article, which is a small round black seed; this is far superior to Crimson Clover, as it never winter-kills. Sow from August 1st to October 1st, but the earlier the better, broadcast, 1 bushel per acre, to which we suggest adding a bushel of winter rye or wheat. In the spring it can be plowed in as green manure, or when in flower cut for hay. All stock relish it keenly. Price on application.



Spring Vetch (*Vicia Sativa*).

The seed of this is larger than the "Winter" and of a brownish gray color. It is not hardy and must, therefore, be sown in the spring during May or June, 1 to 2 bushels per acre if broadcast and 1 bushel if in drills, with either spring wheat, spring rye or oats for support. It possesses very much the same desirable features as the winter vetch. Price on application.

SPRING WHEAT

A desirable crop to sow where fall-sown wheat has been killed by severe winter; the grain is very hard and of excellent milling quality. Macaroni is made from this variety. Our stock is grown in the extreme Northwest; is very fine.

Saskatchewan Fife. This is the favorite sort in this locality and is used on account of its prolific, vigorous growth and early qualities. It often produces 50 bushels per acre. Sow in April or May $1\frac{1}{2}$ to 2 bushels per acre, broadcast or in drills. Price on application.

SUDAN GRASS

An annual and must be sown each year. Resembles millet somewhat; stock seem to relish it; will yield from 2 to 4 tons per acre. Sow in drills or broadcast 16 to 24 lbs. per acre; several cuttings can be made from a sowing in one season. Thrives excellently in a season of drought. On account of the uncertainty of the crop price will be quoted on application.





MICHELL'S RELIABLE GRASS SEEDS

Possibly no one in the United States specializes more in grass seeds for lawns, pleasure grounds, golf courses, putting greens, pasture and hay fields than we. Our purchases in this commodity direct from the growers at home and Europe amount to many thousand pounds annually. Our grass seeds are rigidly tested for purity and germination at the growing point, in the laboratories of the United States Department of Agriculture and by ourselves, and will be found of highest average. We make special formulas to suit various soils, climatic and local conditions. Our grass mixtures as sold have been based on many tests and on years of careful study, they are properly blended and will give splendid satisfaction.

MICHELL'S "TOP NOTCH" LAWN GRASS SEED MIXTURE

This mixture can justly be called the top notch of quality, and the results obtained from sowing it are so satisfactory that the price, which is slightly higher than our other formulas, is soon forgotten. It is a perfectly blended combination of quick growing, very compact, fine bladed grasses that will produce a perfect lasting turf in a few weeks, absolutely not a coarse bladed grass in it. A customer only recently told us of a visit to his estate by an expert from the United States Department of Agriculture who made the statement that his lawn, which was produced from Michell's Top Notch Grass Seed Mixture, was the most perfect he had ever seen. Not a sign of a weed and of wonderful uniformity and a beautiful deep green color.

At any price it would hardly be possible to get together a more perfect blend of thoroughly re-cleaned grasses than this mixture. From experiments made it seems to do unusually well under most every condition of soil, weather and climate, retaining at all times its brilliant color, and as we had frequently been asked on orders to send a lawn mixture of quality "par excellence" regardless of price, we finally decided that there was room for still greater improvement in lawns than our already high-grade mixtures of grasses would produce.

Top Notch weighs 25 lbs. per bushel and we are safe in saying that it can hardly be produced elsewhere at the price we quote it. Our grass seed sales amounting to more than half million (500,000) lbs. per year, enables us to get the choice of the Grass Seed Market.

We recommend sowing this mixture at the rate of about $3\frac{1}{2}$ to 4 bush. per acre to establish new lawns. It is not put up or sold in quantities of less than a peck. Price, \$2.00 per peck (6 $\frac{1}{4}$ lbs.); per $\frac{1}{2}$ bush., \$3.75; \$7.50 per bush. (of 25 lbs.); 2 bush., \$14.50; \$35.00 per 5 bush.; 100 lb. lots and over, 28c. lb.

TESTIMONIAL EXTRAORDINARY ON MICHELL'S GRASS SEEDS

Ardrossan Farms, Ithan, Pa.

I want to say something in regard to the grass seed which you supplied me with last autumn and the past spring. It has certainly been more than ordinarily satisfactory. Before using the seed I purchased I had an expert examination made of the same for fertility and purity in comparison with samples from other houses, who furnished me samples of what they would supply. The examinations proved your seed to be superior in fertility and quality. As you are aware, I sowed a large acre-

age (some 60 acres) last autumn. Despite the unprecedented drought we had in the fall of 1914, I had an excellent harvest this year. A portion which did not pass through the winter so well owing to the drought and which I reseeded this spring will make a sod of the highest class, and while the ample rains we had this spring have helped considerably I am fully appreciative that the quality of the seed had much to do with the results obtained.

Yours truly,

R. L. MONTGOMERY.

MICHELL'S RELIABLE GRASS SEEDS (Continued)

47

MICHELL'S CLOVER LAWN GRASS SEED

The increasing demand for a grass seed mixture, containing a larger proportion of White Lawn Clover induced us to offer this brand. After extensive trials we have produced a combination of grasses, mixed with a liberal quantity of the best re-cleaned White Clover, which is peculiarly suited to take firm hold and grow quickly on hard or worn-out spots which sun burn easily. The best time to re-sow such places is very early in the spring, but seed may also be sown with good results in the autumn. Michell's Clover Lawn Grass should also be sown before every summer rain on thin places; splendid for seashore lawns. Pint, 30c.; 50c. per qt.; 2 qts., 90c.; \$1.75 for 4 qts.; per peck, \$3.00; \$11.50 per bushel of 30 lbs.

MICHELL'S SEASHORE LAWN GRASS SEED

The problem of establishing a good lawn at the Seashore frequently causes concern. If 3 or 4 inches of top soil is spread over the surface, and well firmed, an application of Michell's Special Formula Seashore Lawn Mixture will produce a good lawn in 6 to 8 weeks. An occasional application of pure Sheep Manure during the spring, summer and fall months will increase the strength and color of the grass. Our formula has been thoroughly tested out in various localities, especially at the Atlantic seashore resorts, and has given splendid satisfaction. If the soil is exceptionally poor, and it is not possible to apply a layer of top soil, white Clover will help to make the sod thick and also protect the grass. Sow 4 bushels per acre, in making new lawns, or 2½ bushels per acre, in renovating old lawns. Per pt., 20c.; per qt., 30c. (P. P. Wt., 1 lb.); 50c. for 2 qts. (P. P. Wt., 2 lbs.); 4 qts., 90c. (P. P. Wt., 3 lbs.); \$1.50 per peck; per bushel, of 20 lbs., \$6.00; \$28.50 per 5 bushels; 100 lbs and over, 28½c. per lb.

MICHELL'S SHADED LAWN GRASS SEED

Shaded locations produced by overhanging large trees, shrubbery, buildings, etc., have often been found difficult to keep in grass. We have made a special study of such conditions, and after extensive experimenting have combined a mixture of grasses that will produce a perfect sward in the most densely shaded place. It must be borne in mind that too much shade creates sour soil, and to guard against this, apply air-slacked lime (or land plaster where the former is not available) at a rate of 1 bushel to each 1000 square feet. Lime should be applied about every three years only while land plaster may be applied periodically during the summer. Frequent fertilizer applications, such as bone meal or sheep manure, are a great help in establishing a thick, healthy growth of grass in shaded places. Sow seed at the same rate as recommended for Green Velvet Grass below. This mixture weighs 20 lbs. per bushel and will prove to be a remarkable success. Pint, 20c., (P. P. Wt., ½ lb.); 30c. per qt. (P. P. Wt., 1 lb.); 2 qts., 50c. (P. P. Wt., 2 lbs.); 4 qts., 90c. (P. P. Wt., 3 lbs.); peck (5 lbs.), \$1.50; bushel (20 lbs.), \$6.00; 5-bushel, \$28.50; 100-lb. lots and over, 28½c. per lb.

MICHELL'S GREEN VELVET LAWN GRASS SEED

This mixture has stood the test of every clime and region in the United States. It is the result of many years of untiring study, labor and experimenting, coupled with the endeavor to give the man with a lawn a grass seed mixture which will produce a perfect turf. It is composed of close growing, fine leaved hardy grasses which will stand wear and tear, and outlive the severest winter, retaining at all times its lustrous green color.

Michell's Green Velvet Grass Seed weighs 20 lbs. per bushel. This fact alone is proof of its purity.

Quantity to sow. You cannot sow too much, the more the better, it means a quicker, more satisfactory and lasting result. We recommend, on new ground, to sow as follows:

One quart on 100 sq. feet (10 x 10); 4 qts. on 600 feet (20 x 30); 1 peck on 1500 sq. feet (30 x 50); 1 bushel on 7000 sq. feet (70 x 100); 5 to 6 bushels per acre for best effects.

Prices: Pint, 20c. (P. P. Wt., ½ lb.); 1 qt., 30c. (P. P. Wt., 1 lb.); 2 qts., 50c.; 4 qts., 90c. (P. P. Wt., 3 lbs.); 1 peck, \$1.50 (P. P. Wt., 5 lbs.); 1 bu. (20 lbs.), \$6.00; 5 bu., \$28.50; 100-lb. lots and over, 28½c. per lb.

MICHELL'S EVERGREEN LAWN GRASS SEED

Where soil conditions and weather are ideal this mixture will in most cases produce a green sward in three to four weeks. It is composed of the finest native and foreign short growing and fine bladed lawn grasses and will form a turf which can only be approached for quality by a covering of real velvet. The quantity required to sow a given space is the same as that recommended for Michell's Green Velvet above. It weighs 20 lbs. per bushel, and every kernel is full of vitality. Prices: Pint, 15c. (P. P. Wt., ½ lb.); qt., 25c. (P. P. Wt., 1 lb.); 2 qts., 45c.; 4 qts., 75c. (P. P. Wt., 3 lbs.); peck (5 lbs.), \$1.25; bu. (20 lbs.), \$4.50; 5 bu., \$21.00; 100-lb. lots and over, 21c. per lb.

MICHELL'S WOODLANDS GRASS MIXTURE

At the instance of various customers on several occasions, it had been suggested that we list a grass formula for sowing in woodlands. After several tests, carefully followed up, we have arrived at a mixture of hardy grasses that have given splendid satisfaction. It is especially adapted for thickly wooded locations (Norway Maples and Pine Trees excepted). In six to eight weeks in normal weather conditions it will produce growth ready for the lawn mower. Persons desiring a grass mixture that will do well in conditions such as we have described will get splendid satisfaction from Michell's Woodlands Formula. On new ground sow at the rate of 4 bushels per acre; for renovating old land, 2½ bushels per acre. Quart, 25c.; 2 qts., 45c.; 75c. for 4 qts.; \$1.25 per peck (5 lbs.); per bushel of 20 lbs., \$4.50; \$21.00 for 5 bushels; 100 lbs. and over, 21c. per lb.

WHITE CLOVER Choicest re-cleaned for sowing on lawns, pastures, etc. Sow 10 to 12 lbs. per acre (60 lbs. per bu.). 10c. oz.; ¼ lb., 20c.; 75c. lb.; 5 lbs., \$3.65; \$7.00 for 10 lbs.; bu. (60 lbs.), \$40.00; 100 lbs., \$65.00.

TESTIMONIAL ON MICHELL'S LAWN GRASS

"I used 5 bushels of your Velvet Lawn Grass this spring in making a new piece of Lawn, and wish to say, that same came up fine, it looks like a piece of velvet. Can certainly recommend your lawn grass to anyone making a Lawn."

JOHN M. MEEHAN, Supt.

IMPORTANT NOTICE, WILL SAVE YOU MONEY

Return Empty Cloth and Burlap Sacks and Bags. To co-operate with the government in the conservation of bags and bag materials, even where we do not charge for same, we will be pleased to make the following refunds or credits for our bags returned to us, free of expense, in good clean condition, within 10 days.

5-lb. Bags	2c. each	½ Bu. Seed Bags	6c. each	2-bu. Burlap Seed Bags	12c. each
10-lb. Bags	3c. each	1 Bu. Seed Bags	8c. each	5-bu. Burlap Seed Bags	15c. each
Peck Seed Bags	4c. each	1½ Bu. Burlap Seed Bags	10c. each	Potato Sacks	15c. each

MICHELL'S RELIABLE GRASS SEEDS

Fairmount Park Lawn Seed. A very fine mixture indeed, meeting the requirements of those desiring a moderately priced grass seed. Sow 4 bushels to the acre on new lawns or $2\frac{1}{2}$ bushels in renovating old lawns. Prices: Per qt., 20c. (P. P. Wt., $\frac{1}{2}$ lb.); 35c. for 2 qts. (P. P. Wt., 2 lbs.); 4 qts., 60c. (P. P. Wt., 3 lbs.); 90c. per pk. ($3\frac{3}{4}$ lbs.); per bu. of 15 lbs., \$3.00; \$14.50 for 5 bu. 100-lb. lots and over, 19c. lb.

Michell's Poultry Yard Grass Seed Formula. Chickens like grass and should be placed on range, where they can get it as much as possible. Our formula germinates very quickly and makes a sod that grows luxuriantly. We put plenty of clover seed in this mixture, as it is very nutritious and the fowls relish it. 20c. per qt. (P. P. Wt., $\frac{3}{4}$ lb.); 35c. for 2 qts. (P. P. Wt., 2 lbs.); 60c. for 4 qts. (P. P. Wt., 3 lbs.); 90c. per pk. ($3\frac{3}{4}$ lbs.); bu. (15 lbs.), \$3.00.

Michell's Terrace or Embankment Grass Seed. Sow 4 bushels per acre. Per qt., 25c. (P. P. Wt., 1 lb.); 45c. for 2 qts. (P. P. Wt., 2 lbs.); 4 qts., 75c. (P. P. Wt., 3 lbs.); \$1.35 per pk. (5 lbs.); per bush. of 20 lbs., \$5.00; 5 bu., \$24.00; 100-lb. lots and over, 24c. lb.

Southern States Evergreen Lawn Grass Seed. Made up especially for dry, hot localities, especially suited to the Southern States. 15 lbs. per bushel. Prices: 20c. per qt. (P. P. Wt., $\frac{1}{2}$ lb.); 2 qts., 35c. (P. P. Wt., 1 lb.); 60c. for 4 qts. (P. P. Wt., 2 lbs.); pk. ($3\frac{3}{4}$ lbs.), \$1.00; \$3.50 per bu.; 5 bu., \$16.25; 100-lb. lots and over, 21c. lb.

Special Sod Grass Seed. A quick growing mixture, making a very tough and heavy sod in a short time; especially valuable for cemeteries, tennis courts, pleasure grounds, etc. 15 lbs. per bu. Price: 25c. per qt. (P. P. Wt., $\frac{1}{2}$ lb.); 2 qts., 45c. (P. P. Wt., 1 lb.); 75c. for 4 qts. (P. P. Wt., 2 lbs.); pk. ($3\frac{3}{4}$ lbs.), \$1.15; \$1.00 per bu.; 5 bu., \$18.75; 100-lb. lots and over, 25c. lb.

NOTE.—All Grass Mixtures except Putting Greens, "Fair Greens" and Tennis Court Mixtures contain white clover. Any of them, however, can be furnished without this.



A Putting Greens on the course of the Sunnybrook Golf Club, Chestnut Hill, Philadelphia, seeded with Michell's Grass Seeds

MICHELL'S FAIR GREENS (Golf Course) MIXTURE

It is no easy matter to work out a formula of grass seed that will withstand the unusual test it is put to on the average fairways soil. In many instances this is poor, worn out, shallow and of a varied character. Michell's Fairway Grass Seed Mixture is composed to meet the greatest variety of conditions and will invariably give permanent results quickly.

The mixture is composed of short-growing, deep-rooted varieties that resist plenty of wear. It retains its color well during the severest droughts. Fairways to retain their permanency should receive additional sowings during the season to replace any weak or worn-out spots. Sow 6 bushels per acre.

Prices: Qt., 25c. (1 lb. P. P. Wt.); 2 qts., 45c. (2 lbs. P. P. Wt.); 4 qts., 75c. (P. P. Wt., 3 lbs.); 1 peck, \$1.25 (P. P. Wt., 5 lbs.); 1 bu. (20 lbs.), \$5.00; 5 bu., \$23.75; 100-lb. lots and over, 23 $\frac{3}{4}$ c. per lb.

MICHELL'S TENNIS COURT GRASS SEED MIXTURE

Grass courts are again becoming very popular. Qt., 25c.; 45c. for 2 qts.; 4 qts., 75c.; \$1.35 per peck; bu. (20 lbs.), \$5.00; \$24.00 for 5 bu.; 100-lb. lots and over, 24c. per lb.

MICHELL'S PUTTING GREENS MIXTURE

While many greens keepers prefer to make their own mixtures for this purpose, there are some who rely on the ability and experience of the seedsman. Our formula for this has been reached after many extensive tests, and those who desire to sow it will not be disappointed in the results they get from it. It is a quick-growing mixture of short, fine-bladed grasses, over which the ball can roll without resistance. In sowing Putting Greens it is wise economy to be very liberal with the seed, as Putting Greens are subjected to continuous hard use. We do not recommend less than 50 to 75 lbs. to a green 75 foot square.

Prices: 1 qt., 35c. (P. P. Wt., 1 lb.); 4 qts., \$1.25 (P. P. Wt., 4 lbs.); 1 peck, \$2.25 (P. P. Wt., $6\frac{1}{4}$ lbs.); 1 bu. (25 lbs.), \$9.00; 5 bu., \$43.75; 100-lb. lots and over, 35c. per lb.

MICHELL'S TEEING GROUNDS GRASS MIXTURE

Used on golf course tees or in other places where a tough resisting turf is wanted. 25c. qt.; 4 qts., 85c.; \$1.10 per peck; 1 bu. (20 lbs.), \$4.00.

MICHELL'S PERMANENT PASTURE GRASS SEED MIXTURE

The old method of sowing timothy and clover has been found not only costly, but too short-lived to answer the purpose.

Michell's Permanent Pasture Grass Seed is composed of about 10 of the best growing and most nutritious grasses and clovers for stock feeding or grazing. One sowing will last many years. Sow 3 to 4 bushels per acre on new lands (20 lbs. per bushel). Prices: Per qt., 20c. (P. P. Wt., $\frac{1}{2}$ lb.); 4 qts., 75c. (P. P. Wt., 2 lbs.); pk., \$1.00 (5 lbs.); bu. (20 lbs.), \$3.75; 100-lb. lots, 18c. lb.; 200-lb. lots and over, 17 $\frac{1}{2}$ c. lb.



Michell's Permanent Pasture Grass Seed Mixture makes a nutritious feed for grazing cattle.

MICHELL'S PERMANENT HAY FIELD GRASS SEED MIXTURE

While timothy is still extensively sown for this purpose, this mixture is gradually being adopted by the progressive farmer. Its main advantages are that certain grasses in the mixture will grow better in varying conditions of soil, thus giving a full crop of hay on land that otherwise might produce but a half crop of timothy and clover. Our formula is the outcome of thorough trials in varied kinds of soil. Sow 3 to 4 bushels per acre on new land, or 2 bushels on established fields (20 lbs. per bushel). Prices: Per qt., 20c. (P. P. Wt., $\frac{1}{2}$ lb.); 4 qts., 75c. (P. P. Wt., 2 lbs.); peck (5 lbs.), \$1.00; bu. (20 lbs.), \$3.75; 100-lb. lots, 18c. lb.; 200-lb. lots and over, 17 $\frac{1}{2}$ c. lb.

MICHELL'S RECLEANED GRASS SEED

Bermuda Grass. For sowing as far North as Washington, D. C., above which latitude it is not hardy. 60c. lb. Price for larger quantity on application.

Blue Grass. Fancy Kentucky (Poa Pratensis). Our stock of this is extra fine, thoroughly recleaned; sow 3 to 5 bu. per acre on lawns, 2 $\frac{1}{2}$ to 3 bu. on pasture fields (bu. 14 lbs.). Per lb., 35c.; peck, \$1.00; per bu., \$4.00; \$27.00 per 100 lbs.

Blue Grass Canadian (Poa Compressa). Makes an ideal pasture highly relished by cattle; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (bu. 14 lbs.). 30c. lb.; bu., \$3.50; \$17.50 per 100 lbs.

Creeping Bent (Agrostis Stolonifera). Adapted admirably for lawns, also putting greens, tennis courts, etc.; sow 4 bu. per acre (20 lbs. per bu.). Price on application.

Crested Dogtail (Cynosurus Cristatus). Excellent as a pasture and lawn grass. Sow 3 $\frac{1}{2}$ to 4 bu. per acre (21 lbs. per bu.). Price, 50c. per lb.; bu., \$9.00; \$40.00 per 100 lbs.

English, or Perennial Rye Grass (Lolium Perenne). (Pacey's Fancy Short Seeded.) This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 3 bu. per acre (24 lbs. per bu.). Price, 30c. per lb.; per bu., \$6.00; \$20.00 per 100 lbs.

Fine Leaved, or Slender Fescue (Festuca Tenuifolia). This grass is especially valuable for dry soils. Sow 3 bu. per acre (bu. 14 lbs.). Price on application.

Hard Fescue (Festuca Duriuscula). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bu. per acre (12 lbs., per bu.). Price on application.

Herd, or Red Top Fancy Recleaned. This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 25 lbs. per acre (32 lbs. per bu.). Price, 30c. per lb.; per bu., \$7.75; \$22.00 per 100 lbs.

Herd, or Red Top Unhulled (Agrostis Vulgaris). Sow 4 to 5 bu. per acre on lawns or 3 bu. on pasture lands (10 lb. per bu.). Price, 20c. per lb.; per bu., \$1.75; \$15.00 per 100 lbs.

Italian Rye (Lolium Italicum). Very desirable for pasture; being an annual, it comes to maturity the first season; the ideal lawn

seed for southern lawns in winter. Sow 50 lbs. per acre (18 lbs. per bu.). Price, 30c. per lb.; bu., \$5.00; \$22.50 per 100 lbs.

Meadow Fescue (Festuca Pratensis). Sow 40 to 50 lbs. per acre (22 lbs. per bu.). Price, 35c. per lb.; bu., \$7.00; \$30.00 per 100 lbs.

Orchard Grass (Dactylis Glomerata). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 lbs. per acre (14 lbs. per bu.). Price, 40c. per lb.; per bu., \$4.50; \$26.50 per 100 lbs.

Red, or Creeping Fescue (Festuca Rubra). Very valuable for sowing on sandy soil and in shaded places and putting greens. (14 lbs. per bu.). Price, 60c. lb.; bu., \$7.50; \$50.00 per 100 lbs.

Rhode Island Bent. For sowing at seashore resorts, on putting greens, tennis courts, etc.; 40 lbs. per acre (14 lbs. per bu.). Price on application.

Sheep's Fescue (Festuca Ovina). This makes an excellent grass for sowing on lawns, fields, or pleasure grounds. Sow 40 lbs. per acre (12 lbs. per bu.). Price on application.

Sweet Vernal (Annual). 5 lbs. per acre. Price on application.

Sweet Vernal (Perennial). Price on application.

Sudan Grass Seed (Annual). This belongs to the forage crops and is allied to the millets. See page 45. Sow 16 to 24 lbs. per acre. Price on application.

Tall Meadow (Avena Elatior). A valuable lawn and pasture grass. Extremely valuable for use in the South. Sow 5 bushels per acre (10 lbs. per bu.). Price on application.

Timothy (Phleum Pratense). Sow one-half bu. per acre alone (45 lbs. per bu.). 20c. per lb. Price varies constantly; ask for quotations.

Wood Meadow (Poa Nemoralis). The best grass for sowing under trees where a lawn is desired. Sow 30 lbs. per acre (14 lbs. per bu.). Price on application.

PRICES ON GRASSES SUBJECT TO MARKET CHANGES

Note.—If Grasses are wanted by parcel post, allow for postage when remitting, as per table on page 1.

Alphano Humus. "The Ideal Soil Enricher" for lawns, golf courses, putting greens, etc. Ask for prices in car lots. (hb)

50 COMMON OR ENGLISH AND BOTANICAL NAMES OF POPULAR FLOWERS AND PLANTS

Abutilon—*Flowering Maple*.
 Abyssinian Banana—*Musa Ensete*.
 Achillea—*Milfoil, Sneezewort*.
 Aconitum—*Helmet Flower, Monk's Hood, Wolf's Bane*.
 Acroclonium—*Everlastings*.
 Adams Needle—*Yucca*.
 Adiantum—*Maiden Hair Fern*.
 Adlumia—*Allegheny Vine, Mountain Fringe*.
 Adonis aestivalis—*Pheasant's Eye*.
 African Daisy—*Arctotis*.
 African Lily—*Agapanthus*.
 Agapanthus—*African Lily*.
 Ageratum—*Floss Flower*.
 Agrostemma—*Rose Campion*.
 Allegheny Vine—*Adlumia*.
 Aloysia citriodora—*Lemon Verbena*.
 Althaea rosea—*Hollyhock*.
 Althaea—*Rose of Sharon*.
 Alum Root—*Heuchera*.
 Alyssum saxatile—*Basket of Gold*.
 Amaranthus caudatus—*Love Lies Bleeding*.
 Amaranthus tricolor—*Joseph's Coat*.
 Amaryllis formosissima—*Jacobaea Lily*.
 Amethyst—*Browallia*.
 Ampelopsis—*Virginia Creeper*.
 Ampelopsis Veitchii—*Boston Ivy*.
 Anchusa—*Sea Bugloss*.
 Anemone—*Windflower*.
 Anthericum—*St. Bruno's Lily*.
 Antirrhinum—*Snapdragon*.
 Aquilegia—*Columbine*.
 Arabis—*Rock Cress*.
 Arctotis—*African Daisy*.
 Aristolochia—*Dutchman's Pipe*.
 Armeria—*Sea Pink, Thrift*.
 Artemisia absinthium—*Wormwood*.
 Asclepias—*Butterfly Weed*.
 Asparagus Fern—*Asparagus plumosus*.
 Asperula—*Waldmeister, Woodruff*.
 Baby's Breath—*Gypsophila*.
 Baby Primrose—*Primula Forbesi*.
 Bachelor's Button—*Centaurea, Gomphrena, Bellis*.
 Balloon Vine—*Cardiospermum*.
 Balsam—*Lady Slipper*.
 Balsam Apple—*Momordica Balsamina*.
 Baptisia—*False Indigo*.
 Barberray—*Berberis*.
 Basket of Gold—*Alyssum saxatile*.
 Beard Tongue—*Pentstemon*.
 Bee Balm—*Monarda*.
 Bell Flower—*Campanula*.
 Bellflower Lily—*Lilium canadense*.
 Bellis—*Bachelor's Button, English Daisy*.
 Berberis—*Barberry*.
 Bergamot—*Monarda*.
 Bignonia—*Trumpet Vine*.
 Black Eyed Susan—*Thunbergia*.
 Blanket Flower—*Gaillardia*.
 Blazing Star—*Liatris*.
 Bleeding Heart—*Dielytra*.
 Blue Bottle—*Centaurea cyanus*.
 Bluets—*Centaurea cyanus*.
 Bocconia—*Plume Poppy*.
 Boltonia—*False Chamomile*.
 Boston Ivy—*Ampelopsis Veitchii*.
 Boxwood—*Buxus*.
 Brachycome—*Swan River Daisy*.
 Bridal Wreath—*Spiraea prunifolia*.
 Briza—*Quaking Grass*.
 Browallia—*Amethyst*.
 Buddleya—*Butterfly Bush*.
 Bush Eschscholtzia—*Hunnemannia*.
 Buttercup—*Trollius*.
 Butterfly Bush—*Buddleya*.
 Butterfly Flower—*Schizanthus*.
 Butterfly Pea—*Centrosema*.
 Butterfly Weed—*Asclepias*.
 Buttonwood—*Platanus orientalis*.
 Buxus—*Boxwood*.
 Calacia—*Tassel Flower*.
 Caladium—*Elephant's Ear*.
 Calendula—*Pot Marigold*.
 California Poppy—*Eschscholtzia*.
 Callirhoe—*Poppy Mallow*.
 Callanthus—*Sweet Shrub*.
 Campanula calyc—*Cup and Saucer*.
 Campanula carpatica—*Hare Bell*.
 Campion—*Lychnis*.
 Canarybird Flower—*Tropaeolum Canariense*.
 Candytuft—*Iberis*.
 Canna—*Indian Shot*.
 Canterbury Bells—*Campanula*.
 Cape Jessamine—*Gardenia florida*.
 Cardinal Flower—*Lobelia Cardinalis*.
 Castor Oil Beans—*Ricinus*.
 Catchfly—*Silene*.
 Catalpa—*Umbrella Tree*.
 Centaurea cyanus—*Bachelor's Button, Cornflower, Blue Bottle, Bluets, Ragged Sailor*.
 Centaurea moschata—*Sweet Sultan*.
 Celosia cristata—*Cockscomb*.
 Cerastium—*Snow in the Summer*.
 Cercis—*Judas Tree*.
 Chinese Bell Flower—*Platycodon*.

Chinese Lantern Plant—*Physalis*.
 Christmas Rose—*Helleborus Niger*.
 Chrysanthemum frutescens—*Marigold, Paris Daisy*.
 Cigar Plant—*Cuphea platycentra*.
 Clove Pinks—*Dianthus plumarius*.
 Cockscomb—*Celosia cristata*.
 Coix—*Job's Tears*.
 Columbine—*Aquilegia*.
 Cone Flower—*Rudbeckia*.
 Convolvulus—*Morning Glory*.
 Coral Lily—*Lilium tenuifolium*.
 Cornflower—*Aster Stokesia*.
 Cornflower—*Centaurea cyanus*.
 Cornus florida—*Dogwood*.
 Cornflower—*Centaurea cyanus*.
 Cowslip—*Primula veris*.
 Crane's Bill—*Geranium*.
 Crataegus—*Hawthorn*.
 Cup and Saucer—*Campanula calyc*.
 Cuphea platycentra—*Cigar Plant*.
 Cycas—*Sago Palm*.
 Cyperus—*Umbrella Plant*.
 Cypress Vine—*Ipomea Quamoclit*.
 Cytisus—*Golden Chain*.
 Daisy—*Bellis perennis*.
 Datura cornucopia—*Horn of Plenty*.
 Datura—*Trumpet Flower*.
 Day Lily—*Funkia, Hemerocallis*.
 Delphinium—*Larkspur*.
 Dianthus barbatus—*Sweet William*.
 Dianthus—*Pinks*.
 Dielytra—*Bleeding Heart*.
 Dictamnus—*Gas Plant*.
 Digitalis—*Foxglove*.
 Dimorphotheca—*Orange Daisy*.
 Dogwood—*Cornus florida*.
 Dolichos—*Hyacinth Beans*.
 Doronicum—*Leopard's Bane*.
 Dusty Miller—*Centaurea gymnocarpa*.
 Dusty Miller—*Cineraria Maritima*.
 Dutchman's Pipe—*Aristolochia*.
 Echinops—*Globe Thistle*.
 Echinocystis—*Wild Cucumber*.
 Edelweiss—*Gnaphalium*.
 Egyptian Lotus—*Nelumbium*.
 Elephant Ears—*Caladium*.
 English Daisy—*Bellis*.
 English Primrose—*Primula vulgaris*.
 Erianthus—*Plume Grass*.
 Eryngium—*Sea Holly*.
 Eulalia—*Zebra Grass*.
 Euphorbia—*Mexican Fire Plant*.
 Evening Primrose—*Oenothera*.
 Everlastings—*Acroclonium, Gomphrena, Helichrysum, Rhodanthe, Xeranthemum*.
 Everlasting Pea—*Lathyrus latifolius*.
 Exochorda grandiflora—*Pearl Bush*.
 Fairy Lily—*Zephyranthes*.
 False Chamomile—*Boltonia*.
 False Indigo—*Baptisia*.
 Feather Grass—*Stipa*.
 Feverfew—*Matricaria*.
 Flax—*Linum*.
 Flux de lis—*Iris germanica*.
 Floss Flower—*Ageratum*.
 Flowering Maple—*Abutilon*.
 Flowering Tobacco—*Nicotiana*.
 Forget-me-not—*Myosotis*.
 Forsythia—*Golden Bell*.
 Fountain Grass—*Pennisetum*.
 Four O'clocks—*Mirabilis*.
 Foxglove—*Digitalis*.
 Fuchsia—*Lady's Ear Drop*.
 Funkia—*Day Lily*.
 Gaillardia—*Blanket Flower*.
 Gardener's Garters—*Phalaris*.
 Garden Heliotrope—*Valeriana*.
 Gardenia florida—*Cape Jessamine*.
 Gay Feather—*Liatris*.
 Gas Plant—*Dictamnus*.
 Gentian—*Gentiana*.
 Geranium—*Crane's Bill*.
 Gilliflower—*Stocks*.
 Globe Amaranth—*Gomphrena*.
 Globe Flower—*Trollius*.
 Globe Thistle—*Echinops*.
 Gnaphalium—*Edelweiss*.
 Gold Dust—*Alyssum saxatile*.
 Golden Bell—*Forsythia*.
 Golden Chain—*Cytisus*.
 Golden Feather—*Pyrethrum aureum*.
 Golden Rod—*Solidago*.
 Gomphrena—*Everlastings, Globe Amaranth, Bachelor's Button, Grass Pinks, Dianthus plumarius*.
 Gynerium—*Pampas Grass*.
 Gypsophila—*Baby's Breath*.
 Hare Bell—*Campanula carpatica*.
 Hawthorn—*Crataegus*.
 Heart's Ease—*Pansy*.
 Helianthemum—*Sneezewort*.
 Helianthemum—*Rock Rose*.
 Helianthus—*Sunflower*.
 Helichrysum—*Strawflower*.
 Helleborus niger—*Christmas Rose*.
 Helmet Flower—*Aconitum*.
 Hemerocallis—*Day Lily*.
 Hesperis—*Sweet Rocket, Rocket*.
 Heuchera—*Alum Root*.

Hollyhocks—*Althaea rosea*.
 Honesty—*Lunaria*.
 Hops—*Humulus*.
 Hordeum—*Squirrel Tail Grass*.
 Horn of Plenty—*Datura cornucopia*.
 Hunnemannia—*Bush Eschscholtzia*.
 Hyacinth Beans—*Dolichos*.
 Ice Plant—*Mesembryanthemum*.
 Indian Shot—*Canna*.
 Ipomea noctiflora—*Moonflower*.
 Ipomea Quamoclit—*Cypress Vine*.
 Jacobean Lily—*Amaryllis formos*.
 Jacobaea—*Senecio*.
 Japan Pinks—*Dianthus Heddeggii*.
 Jerusalem Cherry—*Solanum capsicastrum*.
 Job's Tears—*Coix*.
 Judas Tree—*Cercis*.
 Joseph's Coat—*Amaranthus tricolor*.
 Kalmia latifolia—*Mountain Laurel*.
 Kenilworth Ivy—*Linaria cymbalaria*.
 Kochia—*Mexican Fire Bush, Summer Cypress*.
 Kudzu Vine—*Pueraria*.
 Lady's Ear Drop—*Fuchsia*.
 Lady's Slipper—*Balsam*.
 Larkspur—*Delphinium*.
 Lathyrus latifolius—*Everlasting Pea*.
 Leadwort—*Plumbago*.
 Lemon Verbena—*Aloysia citriodora*.
 Leopard's Bane—*Doronicum*.
 Liatris—*Gay Feather*.
 Lilac—*Syringa*.
 Lily of the Valley—*Convallaria*.
 Lobelia cardinalis—*Cardinal Flower*.
 Loose Strife—*Lythrum*.
 Love's Grove—*Nemophila*.
 Love in a Mist—*Nigella*.
 Love Lies Bleeding—*Amaranthus caudatus*.
 Linaria cymbalaria—*Kenilworth Ivy*.
 Lufia—*Cucumis acutangulus*.
 Lunaria—*Honesty, Moonwort*.
 Lychnis—*Ragged Robin, Rose Campion*.
 Lythrum—*Loose Strife*.
 Maiden Hair Fern—*Adiantum*.
 Mallow—*Hibiscus*.
 Marguerite—*Chrysanthemum frutescens*.
 Marigold—*Tagetes*.
 Marshmallow—*Hibiscus*.
 Marvel of Peru—*Mirabilis*.
 Mathiola—*Night Scented Stock*.
 Matricaria—*Everfew*.
 Meadow Rue—*Thalictrum*.
 Mesembryanthemum—*Ice Plant*.
 Mexican Fire Bush—*Kochia*.
 Mexican Fire Plant—*Euphorbia*.
 Michaelmas Daisy—*Asier perennis*.
 Mignonette—*Reseda*.
 Mimosa—*Sensitive Plant*.
 Mimulus moschatus—*Musk Plant*.
 Mirabilis—*Four o'clocks, Marvel of Peru*.
 Mock Orange—*Philadelphus*.
 Momordica Balsamina—*Balsam Apple*.
 Monarda—*Bee Balm, Bergamot*.
 Monk's Hood—*Aconitum*.
 Moonflower—*Ipomea noctiflora*.
 Moonwort—*Lunaria*.
 Morning Glory—*Convolvulus*.
 Moss Pink—*Phlox subulata*.
 Mountain Fringe—*Adlumia*.
 Mountain Laurel—*Kalmia latifolia*.
 Mourning Bride—*Scabiosa*.
 Musa ensete—*Abyssinian Banana*.
 Musk Plant—*Mimulus moschatus*.
 Myosotis—*Forget-me-not*.
 Myrtle—*Vinca minor*.
 Nelumbium—*Egyptian Lotus*.
 Nemophila—*Love Grove*.
 Nicotiana—*Flowering Tobacco*.
 Nigella—*Love in a Mist*.
 Night Scented Stock—*Mathiola*.
 Oenothera—*Evening Primrose*.
 Orange Daisy—*Dimorphotheca*.
 Ox-eye—*Adonis vernalis*.
 Painted Tongue—*Salpiglossis*.
 Pampas Grass—*Gynerium*.
 Pancratium Lily—*Ismene calathina*.
 Paris Daisy—*Chrysanthemum frutescens*.
 Passiflora—*Passion Flower*.
 Peach Bells—*Campanula persicifolia*.
 Pearl Bush—*Erochorda grandiflora*.
 Periwinkle—*Vinca*.
 Phalaris—*Gardener's Garters*.
 Phalaris—*Ribbon Grass*.
 Pheasant's Eye—*Adonis aestivalis*.
 Philadelphia—*Mock Orange*.
 Phlox drummondii—*Flame Flower*.
 Phlox subulata—*Moss Pink*.
 Pincushion Flower—*Scabiosa*.
 Pinks—*Dianthus*.
 Platanus orientalis—*Buttonwood*.
 Platycodon—*Chinese Bell Flower*.
 Plumbago—*Leadwort*.
 Plume Grass—*Erianthus*.
 Plume Poppy—*Bocconia*.

Polyanthus—*Primula elatior*.
 Poppy Mallow—*Callirhoe*.
 Poppy—*Papaver*.
 Pot Marigold—*Calendula*.
 Pueraria—*Kudzu Vine*.
 Pyrethrum aureum—*Golden Feather*.
 Quaking Grass—*Briza*.
 Rag Gourd—*Cucumis acutangulus*.
 Ragged Robin—*Lychnis*.
 Ragged Sailor—*Centaurea cyanus*.
 Red Bud—*Cercis canadensis*.
 Red Hot Poker Plant—*Tritoma*.
 Reed—*Arundo donax*.
 Reseda—*Mignonette*.
 Rhodanthe—*Everlastings*.
 Ribbon Grass—*Phalaris*.
 Rock Cress—*Arabis*.
 Rocket—*Hesperis*.
 Rock Rose—*Helianthemum*.
 Rose Campion—*Agrostemma*.
 Rose Campion—*Lychnis*.
 Rose of Sharon—*Althaea*.
 Rudbeckia—*Cone Flower*.
 Sago Palm—*Cycas*.
 Salpiglossis—*Painted Tongue*.
 Salvia splendens—*Scarlet Sage*.
 Saponaria—*Soapwort*.
 Satin Flower—*Godetia*.
 Scabiosa—*Mourning Bride*.
 Scabiosa—*Pincushion Flower*.
 Scarlet Sage—*Salvia splendens*.
 Schizanthus—*Butterfly Flower*.
 Sea Bugloss—*Anchusa*.
 Sea Lavender—*Statice*.
 Sea Holly—*Eryngium*.
 Sea Pink—*Armeria*.
 Sedum—*Stonecrop*.
 Senecio—*Jacobaea*.
 Sensitive Plant—*Mimosa*.
 Silene—*Catchfly*.
 Silk Oak—*Grevillea*.
 Snapdragon—*Antirrhinum*.
 Sneezewort—*Helenium*.
 "—*Achillea*.
 Snowball—*Viburnum*.
 Snowberry—*Symphoricarpos*.
 Snow in the Summer—*Cerastium*.
 Snow on the Mountain—*Euphorbia*.
 Soapwort—*Saponaria*.
 Solanum capsicastrum—*Jerusalem Cherry*.
 Solidago—*Golden Rod*.
 Speedwell—*Veronica*.
 Spider Plant—*Cleome*.
 Squirrel Tail Grass—*Hordeum*.
 Star of Bethlehem—*Ornithogalum*.
 Statice—*Sea Lavender*.
 St. Bruno's Lily—*Anthericum*.
 St. John's Wort—*Hypericum*.
 Stonecrop—*Sedum*.
 Stipa—*Feather Grass*.
 Stocks—*Gilliflower*.
 Stokesia—*Cornflower Aster*.
 Strawflower—*Helichrysum*.
 Summer Cypress—*Kochia*.
 Sunflower—*Helianthus*.
 Symphoricarpos—*Snowberry*.
 Syringa—*Lilac*.
 Swan River Daisy—*Brachycome*.
 Sweet Pepper Bush—*Chetrea*.
 Sweet Rocket—*Hesperis*.
 Sweet Shrub—*Calycanthus*.
 Sweet Sultan—*Centaurea moschata*.
 Sweet William—*Dianthus barbatus*.
 Tagetes—*Marigold*.
 Tassel Flower—*Calacia*.
 Thrift—*Armeria*.
 Thunbergia—*Black Eyed Susan*.
 Tobacco—*Nicotiana*.
 Trillium—*Wake Robin, Wood Lily*.
 Tritoma—*Red Hot Poker*.
 Trollius—*Buttercup*.
 Trumpet Flower—*Datura*.
 Trumpet Vine—*Bignonia*.
 Tufted Pansies—*Viola cornuta*.
 Turk's Cap Lily—*Lilium superbum*.
 Valeriana—*Garden Heliotrope*.
 Viburnum—*Snowball*.
 Vinca minor—*Myrtle*.
 Vinca—*Periwinkle*.
 Viola cornuta—*Tufted Pansies*.
 Virgin's Bower—*Clematis*.
 Virginia Creeper—*Ampelopsis quinquefolia*.
 Umbrella Plant—*Cyperus*.
 Umbrella Tree—*Catalpa*.
 Waldmeister—*Asperula*.
 Wallflower—*Cheiranthus*.
 Wild Cucumber—*Echinocystis*.
 Windflower—*Anemone*.
 Wolf's Bane—*Aconitum*.
 Wood Lily—*Trillium*.
 Wood Fern—*Aspidium*.
 Woodruff—*Asperula*.
 Wormwood—*Artemisia absinthium*.
 Xeranthemum—*Everlastings*.
 Yarrow—*Achillea*.
 Youth and Old Age—*Zinnia*.
 Yucca—*Adam's Needle*.
 Zebra Grass—*Eulalia*.
 Zephyranthes—*Fairy Lily*.

Michell's Distinctive Flower Seeds

"SUBURBAN" COLLECTION OF ANNUALS

25 Varieties. Special Price, \$2.00

- 1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.
- 1 oz. Nasturtium. Tall Fancy Giant. Mixed.
- 1/4 lb. Sweet Peas. Spencer Varieties. Mixed.
- 1 oz. Mixed or Wild Flower Garden Seeds.

And one packet each of the following:

- | | |
|-------------------------------|---------------------------------------|
| Ageratum. Blue Perfection. | Marigold. Pride of the Garden. |
| Alyssum. Little Gem. | Mignonette. Machet. |
| Aster. Invincible. Mixed. | Pansy. Giant Trimardeau. |
| Balsam. Camellia Flowered. | Petunia. Choicest Mixed. |
| Calliopsis. Golden Wave. | Phlox Drummondii. Grandiflora. Mixed. |
| Candytuft. Giant White. | Poppy. Michell's Shirley. |
| Celosia. Thompsoni Magnifica. | Portulaca. Double Mixed. |
| Centaurea. Emperor William. | Sunflower. Cut-and-Come-Again. |
| Cosmos. Giant Fancy Mixed. | Zinnia. Giant Robusta. Mixed. |
| Dianthus. Double Fringed. | |
| Eschscholtzia. Golden West. | |
| Larkspur. Giant. Mixed. | |

"POPULAR" COLLECTION OF ANNUALS

15 Varieties. Special Price, 50c.

And one packet each of the following:

- | | |
|----------------------------|------------------------------|
| Alyssum. Sweet. | Petunia. Fine Mixed. |
| Aster. China, or German. | Phlox Drummondii. |
| Cosmos. Giant Mixed. | Poppy. Paeony Flowered. |
| Marigold. Dwarf French. | Portulaca. Single Mixed. |
| Mignonette. Sweet Scented. | Sweet Pea. Gilt Edge. Mixed. |
| Nasturtium. Dwarf Mixed. | Zinnia. Tall Double Mixed. |
| Nasturtium. Tall Mixed. | Mixed or Wild Flower Garden. |
| Pansy. Very Fine Mixed. | |

"QUAKER CITY" COLLECTION OF ANNUALS

16 Varieties. Special Price, \$1.00

- 1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.
- 1 oz. Nasturtium. Tall Fancy Giant. Mixed.
- 1 oz. Sweet Peas. Gilt Edge. Mixed.

And one packet each of the following:

- | | |
|-----------------------------|---------------------------------------|
| Ageratum. Blue Perfection. | Mignonette. Sweet Scented. |
| Alyssum. Little Gem. | Petunia. Choice Mixed. |
| Aster. Improved Branching. | Phlox Drummondii. Grandiflora. Mixed. |
| Centaurea. Emperor William. | Poppy. Carnation Flowered. |
| Cosmos. Giant Mixed. | Portulaca. Double Mixed. |
| Larkspur. Tall. Mixed. | Zinnia. Giant Robusta. Mixed. |
| Marigold. Large African. | |

COLLECTION OF HARDY PERENNIALS

18 Varieties. Special Price, \$1.25

One packet each of the following:

- | | |
|-------------------------------------|-------------------------------|
| Alyssum. Saxatile. | Hollyhock. Chater's Double. |
| Aquilegia. Single Mixed. | Lobelia. Cardinalis. |
| Calliopsis. Lanceolata Grandiflora. | Poppy. Orientale. |
| Campanula. Pyramidalis. | Pyrethrum. Single. Mixed. |
| Delphinium. Formosum. | Rudbeckia. Purpurea. |
| Dianthus. Clove Scented. | Scabiosa. Caucasica. |
| Digitalis. Gloxiniaeflora. Mixed. | Stokesia. Cyanea. |
| Gaillardia. Grandiflora. | Sweet William. Double. |
| Gypsophila. Paniculata. | Mixture of Perennial Flowers. |

Collections of Asters, Dianthus, Phlox, etc, will be found on next page, also under their respective heads



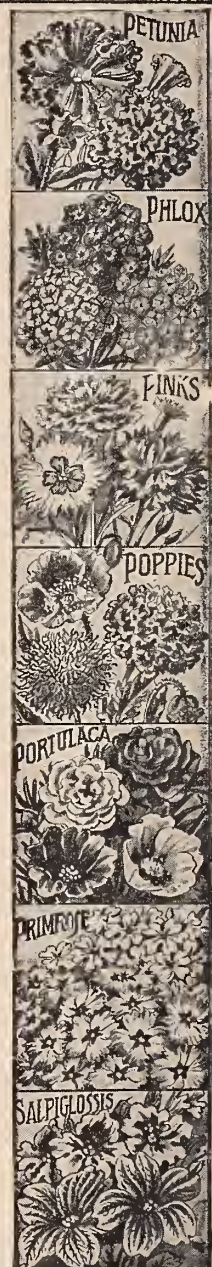
Michell's Collections of Popular OLD FASHIONED FLOWERS

On this page the lover of Old-Fashioned Flowers will find a selection of all the better varieties grouped under their respective names. They are also listed through the Flower Seed pages, where they are described more fully.



- ASTERS**—Michell's Improved Simple's Branching, in 6 charming and distinct colors; late bloomers\$0.50
 Michell's Invincible. Profuse flowering, massive paeony formed flowers; 5 colors40
 New Crego. Twisted and curled petals like a huge chrysanthemum; splendid varieties in 6 colors..... .50
- Early Royal Branching.** Bloom in July and August; 5 colors..... .40
Queen of the Market. In 6 grand colors; very fine50
Giant Comet. Flowers of exquisite form; 6 colors50
- BALSAMS**—Double Camella Flowered. A greatly improved strain of these old favorites in 6 colors; very double30
- CALIFORNIA POPPIES** (Eschscholtzia). Their brilliant colors make the garden gay; very useful for cutting; 7 distinct colors40
- CANDYTUFT.** Flowers within six weeks after sowing, and will give a mass of attractive blooms; 6 colors.25
- CORN FLOWER** (Centaurea or Sweet Sultan). An old favorite garden annual; 6 colors50
- GOURDS.** A most bewildering assortment of these interesting subjects, ever so greatly admired; 8 varieties30
- GRASSES** (Ornamental). In 11 grand varieties60
- HOLLYHOCKS.** No garden should be without these very showy plants; 6 grand and distinct colors50
- MARIGOLDS.** Double French. Profuse bloomers and always showy; 6 imported varieties30
 Double African; 6 distinct sorts30
- MIGNONETTE.** Ever a favorite in the garden, and will bloom until frost; 8 varieties50
- NASTURTIUMS.** Invaluable as showy garden plants.
 Dwarf. 6 distinct sorts; one pkt. each25
 12 distinct sorts; one pkt. each.... .50
 Tall. 6 distinct sorts; one pkt. each25
 12 distinct sorts; one pkt. each.... .50
- PANSY.** No garden is a garden without Pansies. Ours are admitted to be the finest in existence.
 Giant Prize. 6 grand colors; fine.... .75
 Giant Prize. 12 grand colors; exquisite\$1.40
 Regular Sorts. 6 fine colors50
 Regular Sorts. 12 fine colors..... .90

- PETUNIAS.** A greatly improved strain in colors and size; immense frilled flowers; single; 6 colors75
- PHLOX DRUMMONDII.** Grandiflora. 12 very beautiful and gaudy imported sorts75
- PINKS** (Dianthus). Their delicious odor makes them ever attractive. Odd forms in 10 varieties50
- POPPIES.** Single Annual. Rich in colors. The most showy flowers in the garden and great favorites; 8 single sorts50
 Double Paeony Flowered. 6 varieties30
- PORTULACA.** Single. 8 varieties..... .30
 Double. The finest imported that can be had; 6 gorgeous colors; grand... .50
- PRIMROSE** (Primula Chinensis). Every one loves them; these 8 imported sorts are grand75
- SALPIGLOSSIS.** Very curious and interesting forms; many are quite new; 6 fine sorts50
- SNAPDRAGONS** (Antirrhinum). Old standbys for showy groups in many varied colors.
 Michell's Giant Tall. 6 colors..... .50
 Imported Varieties. 12 showy sorts.. .50
 Imported Semi-dwarf. 12 varieties... .50
- MOURNING BRIDE** (Scabiosa). Excellent hardy annuals; fine for cutting; 6 colors25
- STOCKS.** Flower Market. Plants branch freely and produce from 10 to 15 spikes of flowers; 6 colors75
 Dwarf Ten-Week. 6 finest varieties.. .50
- STRAW FLOWER.** Helichrysum. Beautiful everlasting flowers, remaining perfect for months; 10 distinct varieties; all fine50
- SWEET PEAS.** Spencer or Orchid-Flowering. A grand selection of 14 varieties, all beautiful and distinct. 1.00
 Grandiflora. 15 varieties, our selection .50
- VERBENAS.** Mammoth Fancy. The kinds that bear the largest flowers; in all colors; 5 distinct varieties40
- WALL FLOWER.** Single. Well-known favorites of distinct colors; 6 imported varieties40
 Double. Very fine, compact trusses; 6 varieties50
- ZINNIA.** Dwarf Double. Indispensable in every garden; masses of flowers in all shades; 6 grand colors... .25
 Tall Double. A fine collection; 6 distinct colors25
 Giant Double. Finest of all; every shade of color found in Zinnias; 8 colors 1.00



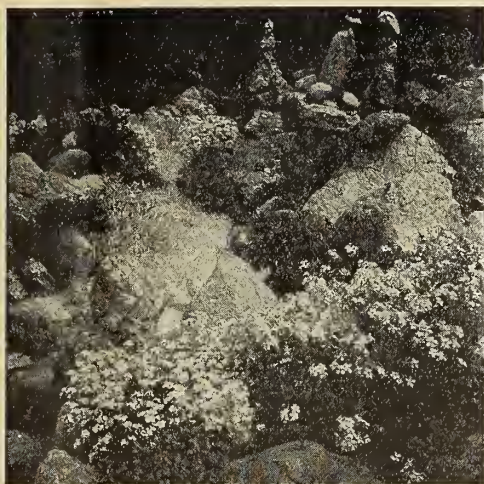
FLOWERS AND PLANTS FOR ROCK GARDENS 51

In the past few years Rock Gardens and Rockeries, although of ancient origin, have justly come in favor again. There are few gardens, where something of this sort might not be constructed and made highly attractive, especially in locations where stones are plentiful. They may be used for hiding unsightly objects, or for giving variety to an otherwise flat and monotonous garden. Below we give a selection of plants, especially suited for this purpose.

Varieties marked S. can be furnished in seeds only; marked P., plants only; marked S. P. either plants or seeds. See index of catalog for listing

- S. P. *Alyssum maritimum* (Sweet Alyssum)
- S. P. *Alyssum saxatile compactum* (Gold Dust)
- S. P. *Acquilegia* in varieties (Columbine)
- S. P. *Arabis alpina* (Rock Cress)
- S. *Asperula odorata* (Woodruff)
- P. *Aubrietia* (Wall Cress)
- S. P. *Candytuft sempervirens*.
- S. P. *Campanula carpatica* (Hare Bell)
- S. *Centaurea candidissima* (Dusty Miller)
- S. P. *Cerastium tomentosum* (Snow in the Summer)
- S. *Centaurea gymnocarpa*

- P. *Euonymus radicans*.
- P. Ferns, Hardy varieties.
- S. P. *Gnaphalium* (Edelweiss)
- S. *Gypsophila elegans*.
- S. P. *Gypsophila paniculata* (Baby's Breath)
- P. *Helianthemum* (Rock Rose)
- S. *Mesembrianthemum* (Ice Plant)
- S. P. *Myosotis* (Forget-me-not)
- P. *Plumbago larpentae* (Leadwort)
- P. *Phlox subulata* (Moss Pink)
- S. *Portulaca*.
- S. P. *Sedum* (Stone Crop)
- S. *Silene* (Catchfly)
- S. P. *Vinca* (Periwinkle)



A Rock Garden planted in this Fashion makes a dull spot bright

FLOWERING PLANTS FOR CUTTING AND OPEN BORDER PLANTING

- ANNUALS
- S. P. *Anthirrhinum* (Snap-dragon)
- S. *Arctotis* (African Daisy)
- S. P. *Asters*
- S. *Calliopsis*
- S. *Centaurea* (Cornflower)
- S. *Candytuft*
- S. *Celosia plumosa* (Cockscomb)
- S. P. *Cosmos*
- S. *Chrysanthemum tricolor*
- S. " *coronarium*
- S. *Dimorphotheca*
- S. *Gaillardia* (Blanket Flower)
- S. *Gypsophila elegans*
- S. *Gomphrena*
- S. *Larkspur*
- S. *Lupinus*
- S. *Marigold*
- S. P. *Mignonette*
- S. *Nasturtium*
- S. P. *Pinks*
- S. *Salpiglossis*
- S. *Scabiosa*
- S. *Stocks*
- S. *Sunflower*
- S. *Sweet Peas*
- S. *Sweet Sultan*

- S. *Zinnia*
- PERENNIALS
- S. P. *Aquilegia* (Columbine)
- S. P. *Achillea* (Sneezewort)
- S. P. *Anthemis* (Marguerite)
- S. P. *Anemone* (Windflower)
- P. *Artemisia lactiflora*
- S. P. *Aster*, Hardy Perennial
- S. P. *Boltonia* (False Chamomile)
- S. P. *Coreopsis*
- S. P. *Carnation*
- S. P. *Delphinium*
- S. P. *Eupatorium*
- S. P. *Gaillardia grandiflora*
- S. P. *Gypsophila paniculata*
- S. P. *Geum*
- S. P. *Heliopsis*
- S. P. *Heuchera* (Alum Root)
- S. P. *Lupinus*
- S. P. *Phlox decussata*
- S. P. *Paris Daisy*
- S. P. *Pentstemon*
- S. P. *Pinks*
- S. P. *Rudbeckia*
- S. P. *Shasta Daisy*
- S. P. *Stokesia*
- S. P. *Statice*
- S. P. *Stevia*
- P. *Thalictrum*



Borders on the edges of lawns planted in this fashion are an attraction from early Spring to Fall

For Common and Botanical Names of Popular Flowers and Plants see page 50.

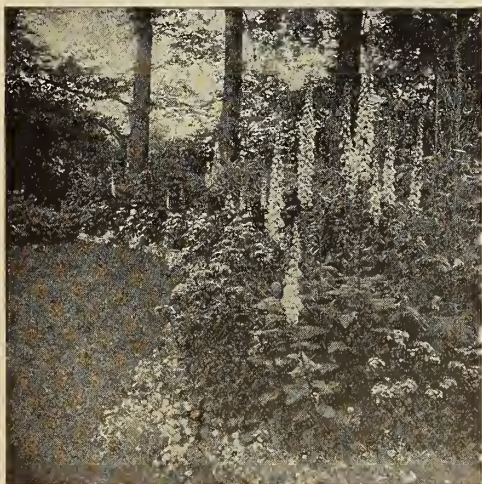
A number of Plants, which are grown from Bulbs, produce splendid cut flowers, especially: *Gladiolus*, *Dahlias*, *Acid-anthera*, *Callas* and *Tuberoses*.

FLOWERS AND PLANTS FOR PARTIALLY SHADED LOCATIONS

Very few plants will flower in places, from which sunshine is entirely excluded. They may grow well enough, developing leaves, but plants of nearly all kinds must have at least some sunshine. With the exception of Hardy Ferns, which will do very well even in dense shade, the varieties named below should have sunlight for at least 2 hours during the day, to produce best results.

- S. P. *Aconitum* (Monk's Hood)
- S. P. *Anemone* (Windflower)
- S. P. *Aquilegia* (Columbine)
- S. P. *Auricula*
- S. *Asperula* (Woodruff)
- S. *Bartonea*
- S. P. *Begonia*, Tuberous-rooted (Can be furnished in Bulbs also)
- S. P. *Bellis* (Daisy)
- S. P. *Campanula* (Canterbury Bells)
- S. *Clarkia*
- S. P. *Coreopsis lanceolata*
- S. P. *Cowslip*
- S. P. *Delphinium* (Larkspur)
- S. P. *Digitalis* (Foxglove)
- P. Ferns (Hardy)
- S. P. *Fuchsia*
- S. P. *Gentiana* (Gentian)
- P. *Lily of the Valley*

- S. P. *Lobelia Cardinalis* (Cardinal Flower)
- S. *Linum* (Flax)
- S. *Matricaria* (Feverfew)
- S. *Mimulus* (Musk Plant)
- S. P. *Myosotis* (Forget-me-not)
- S. *Nemophila* (Love Grove)
- S. *Oenothera* (Evening Primrose)
- P. *Pachysandra*
- S. P. *Pansies*
- S. P. *Poppy* (Perennial varieties)
- S. P. *Polyanthus*
- S. *Schizanthus* (Butterfly-Flower)
- P. *Trollius* (Globe Flower)
- P. *Trillium* (Wood Lily)
- S. *Torenia*
- S. P. *Violets*
- S. P. *Viola cornuta* (Tufted Pansies)



Plantings against shaded backgrounds like this accomplish wonderful effects

MICHELL'S NOVELTIES AND SPECIALTIES IN FLOWER SEEDS FOR 1919

For General List of Flower Seeds see pages 56 to 89



Michell's Pink Superb Aster

ASTER—"MICHELL'S PINK SUPERB"

This valuable variety of Aster is really "Superb" in every sense of the word. The flowers are of immense size, petals long and broad, those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful shell pink. One of the admirable features of this new variety is the exceedingly long stems, which usually measure 34 to 36 inches in length, making it a valuable sort for cutting. Per pkt., 25c.; 65c. per large pkt.; $\frac{1}{4}$ oz., \$1.50.

NEW ASTER—VICK'S SILVERY ROSE

A new variety, the description of which we quote from the introducers: "A robust, long-stemmed, large-flowering variety. Every petal is a combination of deep lilac rose, almost cerise, very delicately threaded with white. The threads are so tiny as to give the petals a silvery sheen. Even the slightest change in light will shade the petals from a rich, glowing rosy cerise to a silvery rose." Per pkt., 25c.; 65c. per 3 pkts.

GIANT SNAPDRAGON (Antirrhinum)

MICHELL'S SALMON PINK

For effective grouping in the garden or for cutting, nothing surpasses the Giant Snapdragons, and we are pleased to be able to offer our customers seed of this variety which will be found a valuable addition to this class of flowers. The large flowers are produced on long spikes and are of a delicate salmon pink color. Per pkt., 15c.; 50c. per large pkt.



Cardinal Climber

THE CARDINAL CLIMBER

(*Ipomoea Quamoclit Hybrida*)

A distinct and valuable novelty and one of the most beautiful climbers. A strong and very rapid grower and free bloomer; the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Leaves are dark green, fern-like and deeply lacinated; bears a great profusion of fiery, cardinal red flowers, which are about $1\frac{1}{2}$ inches in diameter. It delights in a warm, sunny situation and good soil. In order to have good germination of the seed a small notch should be filed or cut in each seed. Per pkt., 15c.; 65c. per large pkt.



Aster, Silvery Rose

SPECIAL OFFER.—One packet each of the 4 varieties of Novelties and Specialties on this page for 70c.



Aster, American Beauty

ASTER, AMERICAN BEAUTY

This variety is similar in type of flower and growth to the well-known Late Branching Asters. Plants will average two and one-half to three feet in height, according to location, with immense flowers, usually four to five inches in diameter. The flowers are fully double to the last, are a most lovely shade of bright carmine rose. Per. pkt., 15c.; 65c. per large pkt.



Cosmos, New Double Flowering

COSMOS. NEW DOUBLE FLOWERING

An entirely new race of this popular flower; the plants are similar in habit to the late flowering strain. The flowers are full, round and double, and are very attractive.

	Large Pkt.	Pkt.
Double Eureka Crimson	\$0.65	\$0.25
" " Pink .....	.65	.25
" " Snowball. White .....	.65	.25

One pkt. each above 3 colors, for 65c.

SPECIAL OFFER—One packet each of the Novelties and Specialties on this page for 90c.



CHINESE WOOLFLOWER (Celosia Childsi)

Plants grow about 2½ feet high, and branch freely, each shoot bearing beautiful, ball-shaped scarlet flowers resembling silky wool. It flowers profusely during summer and fall until frost destroys them. Per pkt., 15c.; 50c. per large pkt.



Double Morning Glory, Snow Fairy

NEW DOUBLE MORNING GLORY "SNOW FAIRY"

A new and most beautiful variety of vigorous and rapid growth, beginning to bloom early and continuing until frost. Produces an abundance of double, snow-white, tassel-like flowers two to two and a half inches across by two and a half inches in depth. Per pkt., 10c.; 20c. per large pkt.; per oz., 75c.



New Double-Crested Cosmos

DOUBLE-CRESTED COSMOS

An entirely new race of this popular flower; the plants are similar in habit to the late flowering strain. A large percentage of the flowers have double crowns, which give the flowers a very dainty and exquisite appearance, the few single that are produced are extra fine.

	Large pkt.	Pkt.
Double Crested Pink Beauty	\$0.50	\$0.15
Double Crested White Queen .....	.50	.15
Double Crested Red Beauty .....	.50	.15

See also page 53 for illustration and description of New Double Cosmos.

LOBELIA HYBRIDA (Sapphire)

This new variety is of remarkably strong growth; excellent for the floral decoration of balconies and window fronts, for which trailing Lobelias are coming into demand. The flowers are unusually large for a Lobelia, measuring three-quarter inch across, and are thickly set on the long graceful sprays of foliage; color of flowers, intense deep blue with large, clearly defined white eye. A well-grown plant covered with these lovely blue oculate flowers makes a splendid sight. Per pkt., 20c.; 50c. per large pkt.



Petunia—Dwarf Large Flowering Fringed

**CELOSIA PLUMOSA
PRIDE OF CASTLE GOULD**

This variety excels all other varieties of this class; plants grow compact and pyramidal, about 2 to 3 feet high, producing immense flower heads, that closely resemble ostrich plumes. Colors are blood red, carmine, yellow, orange, golden, orange scarlet, etc., in mixture. Per pkt., 15c.; 40c. per large pkt.

**DAHLIAS FROM SEED
SPECIAL MIXTURE**

We are fortunate in being able to offer to our customers seed of this special strain. It is a mixture of the double Paony Flowered, double Show and double Decorative varieties, and will produce a great variety of shades and colors. Per pkt., 50c.

DOUBLE FLOWERING BABY'S BREATH

(Gypsophila Paniculata Fl. Pl.)

An exceedingly fine double form of this popular perennial; flowers are produced in abundance and are of the purest white. Excellent for cutting to mix with other flowers. Per pkt., 20c.; 50c. per 3 pkts.



Lobelia—Sapphire

**DWARF LARGE-FLOWERING
FRINGED PETUNIA**

The demand for really good dwarf compact-growing Petunias has been met after years of careful selection in this excellent dwarf strain, with large fringed flowers. The plants grow only 8 inches high, and while branching freely from the base, they remain quite compact. The individual plants make handsome bushes, on which the numerous flowers, borne well above the foliage, appear in all the colors common to Petunias. Per pkt., 30c.; 80c. per 3 pkts.

**LARGE FLOWERING DWARF
PETUNIA—"IDEAL"**

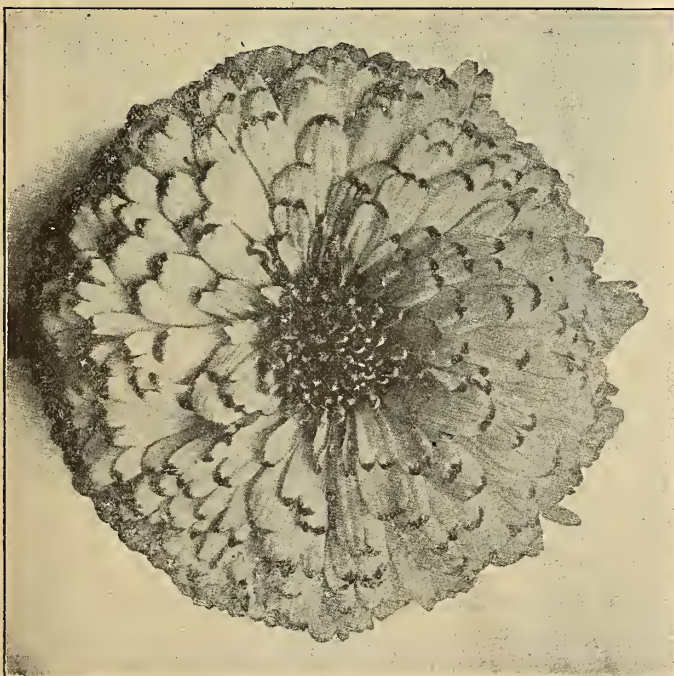
A magnificent new dwarf strain of large flowered Petunia. The plants, which are of strong, robust growth, are 12 to 15 inches in height, and produce enormous flowers, many of which measure 6 inches across, and of varied and exquisite coloring. An ideal pot plant. Per pkt, 40c.; 75c. per 2 pkts.



Petunia—Michell's Monstrosus

LARGE FLOWERING PETUNIA MICHELL'S "MONSTROSUS"

A great acquisition to the list of Large Flowering Petunias, surpassing the well-known Giants of California. The flowers are extremely large, quite a number of which are elegantly fringed; the colorings, markings, veinings, blotches, etc., are superb; many of them having deep throats of various shades. Per pkt., 25c.; 75c. per large pkt.



Giant Zinnia, Double Picotee

NEW DOUBLE WHITE PRIMULA MALACOIDES

The flowers are produced in great profusion, even tiny plants producing spikes of bloom; full grown plants yield a mass of flowers, sometimes showing a delicate tinge of color which rather tends to improve the general effect than otherwise. Per pkt., 75c.

PRIMULA, *Malacoides Superba*

A new and improved variety of the *Primula Malacoides* which has become so popular within the last two or three years; the flowers of this new variety are larger and deeper in color, being a deep rosy pink. A first-class plant for greenhouse decoration during the winter. Per pkt., 25c.; 65c. per 3 pkts.

SCHIZANTHUS—SNOWFLAKE

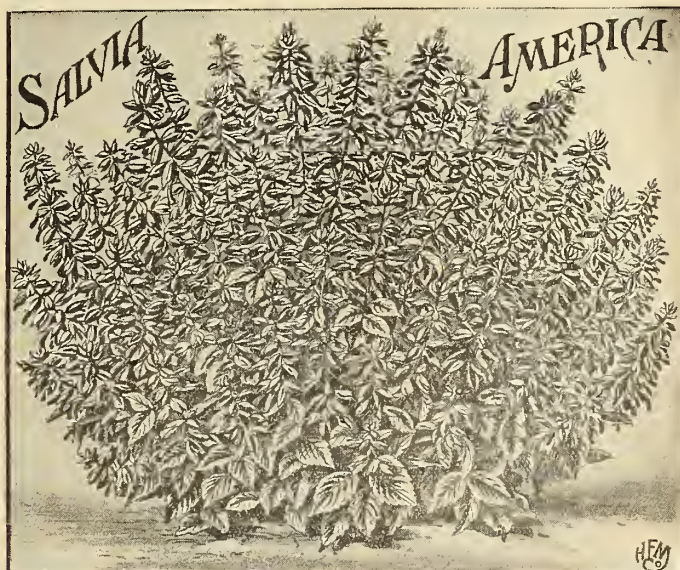
A new variety of compact habit, bearing masses of pure white flowers, beautifully fringed, and much larger than its parent, "Bridal Veil." Of easy culture and admirably adapted for growing in pots. Per pkt., 30c.; 80c. per 3 pkts.

SCHIZANTHUS—PINK BEAUTY

The flowers of this new variety are of an exquisite shade of rose pink, a pure self without any marking or shading whatever, a distinct advance upon anything of this color yet known in *Schizanthus*. As pot plants they are very effective for grouping, and a charming subject when cut for table decoration, the flowers being of good substance, lasting well, and being equally effective either in natural or artificial light. Per pkt., 50c.; \$1.40 per 3 pkts.

NEW RED SUNFLOWER (*Helianthus*)

A new and brilliant variety of the annual Sunflower, growing from 4 to 8 feet high. The plants are of branching habit and produce from July to September a profusion of well-shaped flowers, varying in size from a few inches to nearly a foot in diameter. Some of the plants produce flowers of a rich chestnut-red color, others tipped with yellow, and others slightly washed with red. Per pkt., 10c.; 25c. per large pkt.



SALVIA-AMERICA OR GLOBE OF FIRE

A new variety of this popular flower; of dwarf, bushy compact growth, and very uniform in height and shape. A free and continuous bloomer, and producing large spikes of brilliant scarlet flowers. We consider this variety an improvement over any other dwarf *Salvia*. Per pkt., 25c.; 65c. per large pkt.; per 1/4 oz., \$2.00.

NEW GIANT ZINNIA DOUBLE PICOTEE

A remarkable new and distinct class; large double flowers of orange, flesh, lemon, pink and cerise in mixture. A very attractive and pleasing novelty. Per pkt., 25c.; 65c. per large pkt.

MICHELL'S "DISTINCTIVE" FRESH TESTED FLOWER SEEDS

Our flower seeds have a reputation for their *superior quality* and for the *excellent results* obtained by sowing them. It is our constant endeavor to supply only such *varieties and strains* that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following brief explanation:

Annuals. These grow and bloom, mature their seed and then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., some of which may be sown in the house from March to May, or outdoors after danger from frost is over.

Biennials. These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

Perennials. Those which live from year to year, such as Aquilegia, Delphinium, Foxgloves, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

A COMPLETE INDEX OF FLOWER SEEDS WILL BE FOUND ON PAGES TWO AND THREE OF CATALOG. FOR NOVELTIES, SEE PAGES 52 TO 55.

ABUTILON (Chinese Bell Flower)

Large Pkt. Pkt.

Choice Mixed. Used extensively for ornamental bedding, also valuable for flowering indoors during the winter; seed should be started in heat from January till March; foliage is of maple form and has variegated coloring; flowers bell-shaped; height, 3 feet\$0.50 \$0.10

ACHILLEA (Milfoil or Yarrow)

Ptarmica, Fl. Pl., "The Pearl." Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; flowering the first season if seed is sown early; 2 feet .65 .10

ACONITUM (Monk's Hood or Helmet Flower)

Hardy perennial, thriving best in semi-shady situations; curious hood-shaped flowers in clusters; height, 4 feet; August-September.

Large Pkt. Pkt.

Napellus, Blue\$0.30 \$0.05

ACROCLINIUM (Everlasting Flower)

Showy, free-flowering annual plants; the flowers should be picked before they expand and hung with the tops downward to dry; 1 foot.

Large Pkt. Pkt.

Double Rose Pink\$0.25 \$0.05
 " **White**25 .05
 " **Mixed**20 .05
Single Mixed20 .05

AGROSTEMMA

Coronaria (Mullein Pink). Stout erect growing plants with silvery foliage and bright crimson flowers; hardy perennial; 2½ to 3 feet; July and August20 .05



Ageratum, Blue Perfection

AGERATUM (Floss Flower)

An excellent plant for edging or solid effects. For early bloom sow indoors from March till May; sown outdoors in May will flower in August. A continuous bloomer.

Large Pkt. Pkt.

Blue Perfection. Large heads of deep blue flowers produced in abundance; 15 inches\$0.20 \$0.10
Cope's Pet. Azure blue, 6 inches20 .10
Grandiflorum Album: Extreme large flowers of purest white; height, 1 foot20 .10
Imperial Dwarf Blue. A compact growing plant; height, 9 inches20 .05
Imperial Dwarf White20 .05
Imperial Dwarf Mixed20 .05
Little Blue Star. Plants densely covered with bright blue flowers; height, 5 inches..... .50 .15
Princess Victoria Louise. Light blue, white eye .20 .10



Sweet Alyssum

ALYSSUM

One of the most popular garden flowers; remaining in bloom the entire season; used for edging or in rockeries or vases.

	Large pkt.	Pkt.
Lilac Queen. Of dwarf compact growth, with flowers of a pure lilac color; 4 inches	\$0.40	\$0.10
Little Dorritt. Extremely dwarf and compact, forming perfect little bushes with miniature white flowers; ideal for narrow edges .....	.20	.05
Little Gem. Dwarf compact plants, densely covered with large white flowers; height, 4 inches..oz., 75c. ....	.20	.05
Lutescens. Of dwarf, compact habit, with yellow flowers; annual; 4 inches .....	.40	.10
Sweet. The popular old-fashioned sort, the best for broad edges and vases. Pure white; height, 6 inches .....	.20	.05
Saxatile Compactum (Basket of Gold). An ideal hardy perennial plant, flowering in May; showy golden yellow flowers; blooms the first season if sown early indoors; 1 foot .....	.25	.05

AMARANTHUS

Decorative foliage plants, easily raised from seed, either by starting them early indoors or sown outdoors in May.

	Large pkt.	Pkt.
Caudatus (Love Lies Bleeding). Drooping crimson racemes	\$0.20	\$0.05
Cruentus (Prince's Feather). Dark red .....	.20	.05
Sunrise. Bronze crimson foliage, shading off to bright scarlet leaves toward top of stalks .....	.20	.10
Tricolor Splendens (Joseph's Coat). Leaves red, yellow and green .....	.20	.05
Mixed. All sorts .....	.20	.05

AMPELOPSIS (Boston or Japanese Ivy)

Veitchi. A hardy perennial climber with olive-green leaves, which turn to scarlet in the autumn. The best hardy vine for covering brick or stone buildings or walls20	.10
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ANCHUSA (Sea Bugloss)

Italica "Dropmore." A very popular strong growing hardy perennial plant, 4 feet high, with an abundance of beautiful flowers of a lovely gentian blue30	.15
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ANEMONE (Wind Flower)

A dainty spring flower with bright cup-shaped blossoms; splendid for cutting; perennial.

	Large pkt.	Pkt.
Coronaria Mixed. All colors; 1 foot	\$0.20	\$0.05
St. Brigid, or Poppy. Flower large, semi-double and double; in many colors; 1 foot .....	.40	.15

ANTHEMIS (Hardy Marguerite)

Tinctoria Kelwayi. A handsome hardy perennial, bearing all summer, daisy-like bright yellow flowers; 2 feet30	.10
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ANTIRRHINUM (Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early sow indoors during February or March, but even if sown outdoors in May it will flower profusely in September.

MICHELL'S GIANT ANTIRRHINUMS

This strain produces stout heavy spikes, 2 to 3 feet in length, dressed with giant flowers of the purest colors.

	Large pkt.	Pkt.
Michell's Giant Salmon Pink. A valuable addition to this popular flower; long spikes of a delicate salmon pink color	\$0.50	\$0.15
Silver Pink. A fine variety; long spikes and a profuse bloomer. Original pkt., \$1.00.		
Giant Garnet .....	.25	.10
Giant Pink .....	.25	.10
Giant Scarlet .....	.25	.10
Giant Striped .....	.25	.10
Giant Venus. Shell pink on white ground .....	.40	.15
Giant White .....	.25	.10
Giant Yellow .....	.25	.10
Giant Mixed .....	.25	.10
One pkt., each six colors, 50c.		



Antirrhinum (Snapdragon)

Tall Mixed. A fine selection. Pkt., 5c.; 20c. large pkt.; oz., 60c.

Imported Collection. 12 Tall Varieties, 50c.

SEMI-DWARF ANTIRRHINUMS

The plants grow but 18 in. high, but have extreme large flowers over most part of the stem.

Bride. Pure white. Pkt., 10c.; 30c. large pkt.

Captivation. Rich chamois, shaded pink. Pkt., 25c.; 65c. per 3 pkts.

Daphne. Carmine pink, white throat. Pkt., 10c.; 25c. large pkt.

Defiance. Fiery scarlet. Pkt., 10c.; 25c. large pkt.

Golden Queen. Golden yellow, giant flowers. Pkt., 10c.; 25c. large pkt.

Nelrose. Pkt., 25c.; 50c. large pkt.

Pink Gem. Rose pink. Pkt., 25c.; 65c. per 3 pkts.

Queen of the North. Of purest white. Pkt., 10c.; 25c. large pkt.

Spitfire. Orange scarlet. Pkt., 25c.; 65c. per 3 pkts.

Mixed. All colors. Pkt., 10c.; 25c. large pkt.; per oz., 90c.

Imported Collection, 12 Semi-Dwarf Varieties, 50c.

DWARF ANTIRRHINUMS

The Dwarf or Tom Thumb varieties are excellent for bedding; also for edges. Height, 12 inches.

Tom Thumb Mixed. All colors. Pkt., 10c.; 25c. large pkt.

Ask for Cultural Leaflet No. 201 on the growing of Antirrhinums.

MICHELL

*Aquilegia (Columbine) Long Spurred***AQUILEGIAS OR COLUMBINES**

These are among the most beautiful of spring and early summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the foliage. Seed sown early in the spring will in most cases produce plants that will bloom the same season.

	Large pkt. Pkt.	
Californica Hybrida. Mixed colors; long spurs.....	\$0.40	\$0.10
Chrysantha. Bright golden yellow .....	.50	.10
Chrysantha Alba. Purest white .....	.50	.10
Coerulea (Rocky Mountain Columbine). Large flowers, violet blue and white.....	.40	.10
Haylogensis Delicatissima. Satiny rose .....	.50	.20
Long Spurred Hybrids. Flowers of many rich and varied colors, with long spurs .....	.40	.10
Nivea Grandiflora. Pure white .....	.20	.05
Rose Queen. Pink, white centre .....	.50	.15
Double Mixed	oz., 65c.	.20 .05
Single Mixed	oz., 65c.	.20 .05

ARABIS (Rock Cress)

Alpina. Early spring flowering plants especially adapted for edging and rockery; plants form a dense carpet completely covered with pure white blossoms; perennial; May; 6 inches.....

.20 .05

ARCTOTIS (African Daisy)

Grandis. Bushy annual plants, producing the entire season, on long stems, large daisy-like flowers, pure white on the upper surface, the reverse side of petals lilac-blue; 2 feet

.20 .10

MICHELL'S CULTURAL LEAFLETS

We have prepared the following Cultural Leaflets especially for the benefit of the amateur, or, in fact, for any who may want them, giving instructions how to grow the same successfully from seed. These leaflets are free.

201. Antirrhinum.	208. Zinnia.	215. Cyclamen.
202. Aster.	209. Pansy.	216. Larkspur
203. Cineraria.	210. Salvia.	(Annual).
204. Mignonette.	211. Stock.	217. Lupinus.
205. Petunia.	212. Perennials.	218. Phlox Drum.
206. Primula.	213. Carnation.	219. Nasturtium.
207. Verbena.	214. Cosmos.	220. Begonia.

ARMERIA (Sea Pink or Thrift)

Formosa. A pretty hardy perennial for edgings, blooming all summer; rosy pink flowers; 9 inches. Pkt., 10c.; 30c. per large pkt.

ARTEMISIA

Sacrorum Viridis (Summer Fir). A new ornamental foliage plant from China; pyramidal bushes 3 to 5 feet high; may be grown in groups and borders; also pretty as a pot plant; foliage fine and of a rich dark green. Per pkt., 15c.; 25c. per large pkt.

Arundo (Ornamental Grass). See pg. 71.

See Page 107 for
AQUILEGIA PLANTS

Testimonial

Bloomington, Ind.,
January, 1918.

Gentlemen:
Please find enclosed order for Flower and Vegetable Seeds. We had the finest Asters last year from your seed we have ever grown.

Yours truly,

F. L. M.

For Asters see pages 59 to 61

*Artemisia, Sacrorum Viridis***ASPARAGUS**

100 Seeds Pkt.

Hatcheri. Of dense and symmetrical growth; dainty fern-like fronds set close together along the stalk; valuable for decorative use, also for specimen pot plants

\$1.00 \$0.25

Plumosus Nanus. An excellent plant for house or conservatory decoration or cutting on account of its graceful, finely cut foliage; will remain fresh a long time after being cut

1.00 .25

Sprengeri. One of the best plants to grow in hanging baskets or window boxes for the greenhouse in winter or for outdoors in the summer

.50 .10

ASPERULA (Woodruff)

Odorata. Dwarf spring flowers of purest white, Large pkt. Pkt. thrives in shady situations; perennial; 1 ft.; May..

\$0.30 \$0.05

*Arctotis Grandis*

MICHELL'S SUPERB ASTERS

59

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July till September this flower reigns supreme in the garden, not equaled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. Many of the strains we offer are grown under our own supervision by specialists in this country. To have early flowers sow the seed in the house from March till May; otherwise sow outdoors after danger from frost has passed. To do well Asters require a well-pulverized soil, always kept open by continuous cultivation.

ASTERMUM

A valuable variety of Aster of the Comet type, coming into bloom in mid-season; plants grow straight up with strong, sturdy stems, starting near the base, and owing to the symmetry of the plant, they may be set more closely than other varieties. Each plant yields from ten to fifteen blooms, which last a long while after being cut.

			Large Pkt.	Pkt.
Lavender	1/4 oz.,	\$1.00	\$0.50	\$0.15
Rose Pink	1/4 oz.,	1.00	.50	.15
White	1/4 oz.,	1.00	.50	.15
Mixed	1/4 oz.,	1.00	.50	.15



Aster, American Beauty

ASTER, AMERICAN BEAUTY

This variety is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. Plants will average two and one-half to three feet in height, according to location, while the immense flowers, usually four to five inches in diameter, are often borne on heavy stems which may be cut two feet in length. The flowers are fully double to the last, are a most lovely shade of bright carmine rose, almost identical with the World-Famous American Beauty Rose. Each plant forms a perfect bush. Per pkt., 15c.; 65c. per large pkt.

CHINA ASTERS

Choice Mixed. A general mixture containing many classes and colors. Pkt., 5c.; 20c. per large pkt.; per oz., 75c.

ASTERS OF THE "DAYBREAK" TYPE

The Daybreak class forms strong plants of symmetrical growth; excellent for beds or borders; flowers perfectly double and carried on long, erect stems, seldom less than 18 inches in length.

	Oz.	Large Pkt.	Pkt.
Lavender Daybreak. Large flowers of a beautiful shade of lavender	\$3.25	\$0.50	\$0.15
Lemon Drop (Yellow Daybreak). Flowers perfect and of a decided yellow color.....	3.25	.50	.15
Mitchell's Purity (White Daybreak). Very free flowering; plants are literally one mass of snow-white flowers	3.25	.50	.10
Pink Daybreak. Flowers large, double and of a delicate pink	3.25	.50	.10
Salmon Daybreak. A splendid addition to the Daybreak class; the color is not only novel, but of a very pleasing shade	3.25	.50	.15
Collection, one packet each of above 5 colors..			.50



Crego Aster

NEW CREGO ASTER

Our illustration can do but partial justice to this grand flower. The twisted and curled petals give the flower the appearance of a huge flat chrysanthemum. The flowers are very large, often measuring 5 inches in diameter. The strong, erect stems average 20 to 24 inches in length. Though the flowers are large they are produced in abundance.

	Oz.	Large Pkt.	Pkt.
Azure Blue	\$2.50	\$0.50	\$0.10
Lavender	2.50	.50	.10
Purple	2.50	.50	.10
Rose Pink	2.50	.50	.10
Shell Pink	2.50	.50	.10
White	2.50	.50	.10
Mixed	2.25	.40	.10
Collection, one packet each of above 6 colors..			.50

GIANT COMET ASTER

A flower of exquisite form, similar to the Hohenzollern and resembling Japanese Chrysanthemums; petals are curled downward at the tips and resemble ostrich feathers.

	Oz.	Large Pkt.	Pkt.
Crimson	\$2.25	\$0.40	\$0.10
Dark Blue	2.25	.40	.10
Light Blue	2.25	.40	.10
Peach Blossom	2.25	.40	.10
Pink and White	2.25	.40	.10
White	2.25	.40	.10
Choice Mixed	2.00	.40	.10
Collection, one pkt. each of above 6 colors....			.50

Testimonial

Toronto, Ont., Canada,
February 23, 1918.

Gentlemen:

Kindly fill order for the amount enclosed. I may say that the seeds purchased from you last season were highly satisfactory, especially your Giant Comet Aster Collection.

Yours truly,

G. T. P.



EARLY WONDER ASTER

The earliest variety in cultivation, coming into bloom several days before "Queen of the Market." The form is that of "Giant Comet" type; the flowers are large and very double; stems average 18 inches in length.

	Oz.	Pkt.	Pkt.
Pink	\$3.00	\$0.50	\$0.10
White	3.00	.50	.10



Invincible Aster

MICHELL'S INVINCIBLE ASTER

Healthy, robust plants of branching growth, producing on 2-foot long stems massive well-formed flowers, which are always perfectly double. These Asters are wonderfully prolific and continuous bloomers from summer until frost.

	Oz.	Pkt.	Pkt.
Blue	\$2.25	\$0.40	\$0.10
Crimson	2.25	.40	.10
Lavender	2.25	.40	.10
Rose Pink	2.25	.40	.10
White	2.25	.40	.10
Mixed. All colors	2.00	.40	.10
Collection, one packet each of above 5 colors..			.40

KING ASTERS

A distinct type; the flowers are of large size and good substance, and with long narrow petals, which are more or less quilled, forming a very attractive flower.

	Oz.	Pkt.	Pkt.
Pink King. Delicate shell pink	\$3.00	\$0.50	\$0.15
Rose King. Beautiful, bright rose	3.00	.50	.15
Violet King. A soft shade of violet	3.00	.50	.10
White King. Large pure white	3.25	.50	.15
Collection, one packet each of above 4 colors..			.50

LADY ROOSEVELT ASTER

The flowers resemble huge incurved Chrysanthemums; the color is a gorgeous pink, of marvelous beauty. The robust plants produce stout stems, crowned with gigantic flowers. The seed we offer is selected from original specimens and then re-cleaned, and we feel sure will give absolute satisfaction. Per pkt., 15c.; 65c. per large pkt.; 1/4 oz., \$1.50.

LAVENDER GEM ASTER

A beautiful variety of the Comet type, with large, perfectly double flowers of a delicate shade of lavender; begins blooming in July, continuing through August; 2 feet. Per pkt., 15c.; 50c. per large pkt.; per oz., \$3.25.

ASTER, MIKADO PINK OR ROCHESTER

Plants of branching habit and produce flowers of immense size, with long narrow, gracefully reflexed petals. Color, shell pink. Per pkt., 10c.; 50c. per large pkt.; per oz., \$2.75.



Pink Superb Aster

MICHELL'S PINK SUPERB ASTER

This valuable variety of Aster is really "Superb" in every sense of the word. The flowers are of immense size, petals long and broad; those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful shade of pink. One of the admirable features of this new variety is the exceedingly long stems, making it a valuable sort for cutting. Per pkt., 25c.; 65c. per large pkt.; per 1/4 oz., \$1.50.

PEERLESS PINK ASTER

This is one of the finest of the late branching types, but comes into bloom a little earlier. The plants are of robust habit, and produce on long stems large and perfectly double flowers of a beautiful shell pink, very similar in shade to the Mary Semple variety. Per pkt., 15c.; 65c. per large pkt.; per oz., \$3.25.



King Aster

Ask for Cultural Leaflet No. 202 on the Growing of Asters.

MICHELL'S SUPERB ASTERS

61

QUEEN OF THE MARKET ASTER

Very desirable on account of its earliness and the freedom in which it flowers. Well-formed flowers are produced on 12-inch stems in the greatest profusion early in July.

	Oz.	Pkt.	Pkt.
Blush Pink	\$1.50	\$0.30	\$0.10
Crimson	1.50	.30	.10
Dark Blue	1.50	.30	.10
Light Blue	1.50	.30	.10
Rose Pink	1.50	.30	.10
White	1.50	.30	.10
Choice Mixed	1.25	.25	.10
Collection, one packet each of above 6 colors .....			.50

ASTER, RED SENSATION

Plants are of branching habit, about 18 inches high, flowers large perfectly double; color, rich garnet or ox-blood red. A very attractive variety for beds or borders. Per pkt., 15c.; 50c. per large pkt.; oz., \$3.25.

PAEONY-FLOWERED PRIZE ASTER

(Truffaut's)

Perfectly shaped double flowers, with each petal regularly incurved to meet at the centre; an old favorite type.

	Oz.	Pkt.	Pkt.
Mixed Colors	\$2.00	\$0.40	\$0.10

ASTER, VICK'S SILVERY ROSE

A long-stemmed, large-flowering variety; each petal is a combination of deep lilac rose, almost cerise, delicately threaded with white. See illustration on page 52. Per pkt., 25c.; \$1.00 per 5 pkts.

ASTER, EARLY ROYAL BRANCHING

An excellent strain of Early Branching Aster, of the same form and having the same good qualities as the Late Branching variety, coming into bloom in July or early August and lasting in perfect condition for a long time. An excellent variety for cutting.

	Oz.	Pkt.	Pkt.
Lavender	\$3.00	\$0.50	\$0.10
Purple	3.00	.50	.10
Rose Pink	3.00	.50	.10
Shell Pink	3.00	.50	.10
White	3.00	.50	.10
Mixed	2.75	.50	.10
Collection, one packet each of above 5 colors .....			.40



Aster—Michell's Improved Semple's Branching

MICHELL'S IMPROVED SEMPLE'S BRANCHING ASTER

This is the finest late blooming Aster. The deep, heavy incurved flowers are borne on rigid stems often 2 feet and more in length. Our Improved Strain has been secured after many years of careful selection. The colors are clear and attractive, which, with the long stems, make it one of the most valuable varieties for cutting. We have received numerous testimonials on the quality of this Aster.

	Oz.	Pkt.	Pkt.
Crimson	\$2.00	\$0.40	\$0.10
Lavender	2.00	.40	.10
Purple	2.00	.40	.10
Rose Pink	2.00	.40	.10
Shell Pink	2.00	.40	.10
White	2.00	.40	.10
Choice Mixed	1.50	.40	.10
Collection, one packet each of above 6 colors .....			.50

IMPROVED VICTORIA ASTER

A compact upright growing plant with stout stems and deep, full flowers of large size; height, 18 inches.

Mixed Colors	\$2.25	\$0.40	\$0.10
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PERENNIAL ASTER (Michaelmas Daisy)

Choice Mixed. One of the showiest of our late flowering, perennial plants; star-like, single flowers; if sown early in spring will flower the first season; 2 feet

AURICULA (Primula Auricula)

Choice Mixed. These early flowering perennial plants resemble primroses and have multi-colored flowers in great variety; 1 foot; May

AVENA (Ornamental Grass) (See page 71)



Aster, Early Royal Branching Aster



BALLOON VINE (Love-in-a-Puff)

A rapid growing annual climber, with white blossoms; Oz. Pkt.
Seed pods look like miniature balloons\$0.25 \$0.05



Balsam—White Perfection

DOUBLE BALSAM (Lady's Slipper)

These old-fashioned flowers have been much improved, and what we offer are perfect in form and of the largest size. Give Balsams plenty of room and they will develop to immense plants with gorgeous flowers. They are of easy culture and will surely succeed almost anywhere; height, 2 feet.

	Oz.	Large Pkt.	Pkt.
Camellia Flowered, Pink	\$1.00	\$0.25	\$0.05
Camellia Flowered, Prince Bismarck. Rich salmon pink	1.50	.30	.10
Camellia Flowered, Scarlet	1.00	.25	.05
Camellia Flowered, White Perfection	1.50	.30	.10
Camellia Flowered, Choicest Mixed .....	.75	.25	.10
Fine Mixed .....	.50	.20	.05
Imported Collection of 6 Colors .....			.30

BALSAM APPLE (Momordica)

Remarkably handsome climbing annuals, bearing ornamental orange-colored fruit which when ripe opens, showing a brilliant crimson interioroz., 50c. \$0.20 \$0.05

BAPTISIA (False Indigo)

Australis. A strong growing perennial plant about 2 feet high, with dark green, deeply cut foliage and spikes of dark blue flowers in June and July.. .25 .05

BARTONIA

Aurea. A free blooming, showy annual plant with large golden yellow flowers; thrives well in partial shade; 18 inches20 .05

BEAN (Runner)

A rapid climber, flowering profusely; grows 10 to 15 ft. high.
Scarlet. Per lb., 45c.; pkt., 5c.
White. Per lb., 45c.; pkt., 5c.

BELLIS PERENNIS (See Daisy)

BOCCONIA (Plume Poppy)

Cordata. A splendid hardy perennial, with glaucous green foliage and spikes 2 to 3 feet long of creamy white flowers; 5 feet\$0.20 \$0.05

BOLTONIA (False Chamomile)

Latisquama. A showy hardy perennial, with daisy-like flowers; color, pink, tinged with lilac; 4 to 6 feet.. .30 .10

BRACHYCOME (Swan River Daisy)

Iberidifolia. A profuse flowering annual with small blue flowers resembling those of the Cineraria; 9 inches\$0.25 \$0.05

BRIZA MAXIMA—Ornamental Grass (See page 71)

BROMUS—Ornamental Grass (See page 71)



Begonia, Gracilis Luminosa

BEGONIA (Semperflorens Type)

The following varieties are extensively used for bedding; they are also excellent for pot plants for winter flowering. Seeds sown in February or March under glass will produce nice plants for planting out in June.

	Large pkt.	Pkt.
Erfordia. Delicate pink, one of the choicest.....	\$0.40	\$0.15
Gromanii (New). Flowers red; foliage, bronze green		.65
Queen of Carpet Bedders. Of compact dwarf growth; flowers deep red .....	.50	.15
Salmon Queen. Flowers brilliant salmon red; foliage dark green, with reddish hue .....	.65	.20
Vernon. Deep red flowers and bronzy-red foliage....	.30	.10
Choice Mixed. All sorts and varieties .....	.40	.10

BEGONIA, GRACILIS

One of the finest outdoor flowering Begonia; plants are literally covered with flowers throughout the summer; height, 1 foot.

	Large pkt.	Pkt.
Gracilis Alba. Pure white	\$0.40	\$0.15
Gracilis Luminosa. Deep red .....	.50	.20
Gracilis Prima Donna. Rose, shading to carmine..	.65	.20
Gracilis Rosea. Light pink .....	.40	.15

BEGONIA, TUBEROUS ROOTED

These magnificent flowers are becoming very popular because they are of easy culture and extremely showy; thrive best in semi-shady situations.

	Large pkt.	Pkt.
Double Choice Mixed .....	.50	
Single Choice Mixed	\$0.65	.15

Ask for Cultural Leaflet No. 220 on the growing of Begonias from seed.

BROWALLIA

One of our favorite bedding plants, producing beautiful flowers during the summer and autumn months; grows freely in any rich soil; blooms finely in the winter if the plants are lifted and cut back; 18 inches.

	Large pkt.	Pkt.
Elata Coerulea. Large sky-blue flowers	\$0.25	\$0.05
Speciosa Major. Large flowers of brilliant ultramarine blue; desirable as a pot plant for winter and early spring flowering .....	.50	.10

CALCEOLARIA

Our strains of Calceolaria have a wide reputation as to large size, rich and varied colors of the flowers.

	Large pkt.	Pkt.
Hybrida Grandiflora, Tall Mixed. Large flowering, rich, self-colored flowers saved from a choice collection; 18 inches	\$0.75	\$0.25
Hybrida Grandiflora Pumila Compacta. Of dwarf, compact robust growth, producing immense trusses of large and varied brilliant self-colored and spotted flowers; 1 foot .....	.75	.25
James' Superb Strain. A robust grower, producing very large and beautiful flowers; 18 inches	1.25	.50
Sutton's Perfection. Choicest mixed		1.25



Calendula, Orange King

CALENDULA (Pot Marigold)

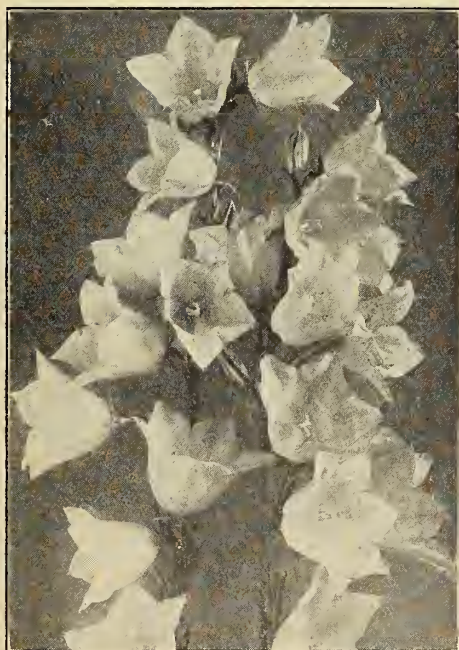
Free flowering annuals of easy culture, continuing in bloom from early summer until killed by frost. They may also be successfully grown in pots indoors.

	Oz.	Large Pkt.	Pkt.
Lemon King. Lemon-yellow	\$0.35	\$0.20	\$0.05
Meteor. Yellow striped orange .....	.35	.20	.05
Orange King. Rich dark orange .....	.35	.20	.05
Prince of Orange. Dark orange striped .....	.35	.20	.05
Pure Gold. Pure golden yellow .....	.35	.20	.05
Sulphurea. Beautiful sulphur yellow .....	.35	.20	.05
Mixed .....	.35	.20	.05

CANARY BIRD VINE

(*Tropaeolum Canariense*)

One of the most charming annual climbers, bearing an abundance of bright yellow, fringed flowers. .oz., 35c. .20 .05



Campanula, or Bell Flower

CALLIOPSIS (Coreopsis)

Free flowering plants blooming very early and continuing until frost. Showy and excellent for cutting.

	Oz.	Large Pkt.	Pkt.
Golden Wave. Large yellow flowers with dark brown centres	\$0.40	\$0.20	\$0.05
Nigra Speciosa. Rich crimson .....	.40	.20	.05
Choice Mixed. All varieties and colors .....	.35	.20	.05

PERENNIAL VARIETIES

California Sunbeams. Very large flowers beautifully formed; yellow and brown .....	.75	.20	.10
Lanceolata Grandiflora. Single golden yellow flowers of graceful form; invaluable for cutting; blooms the entire summer .....	.60	.20	.10



Calliopsis

CAMPANULA MEDIA (Canterbury Bell)

Showy, hardy biennial, growing about 3 feet high; of pyramidal form and covered with large bell-shaped flowers. Sow from June 1st till September 1st; when strong enough transplant to a distance of 6 inches apart; after frost has set in protect with leaves and straw.

	Oz.	Large Pkt.	Pkt.
Single Blue	\$0.75	\$0.20	\$0.05
Single Pink .....	.75	.20	.05
Single White .....	.75	.20	.05
Single Mixed .....	.60	.20	.05
Double Mixed	1.25	.30	.05

CAMPANULA CALYCANTHEMA

(Cup and Saucer Canterbury Bells)

These produce beautiful, large single flowers, resembling a cup and saucer; they require the same treatment as above.

	Large pkt.	Pkt.		Large pkt.	Pkt.
Blue	\$0.40	\$0.10	White	\$0.40	\$0.10
Pink .....	.40	.10	Mixed, 1/4 oz., 60c. .30		.10

CAMPANULAS OR BELLFLOWERS

PERENNIAL VARIETIES

These are among our best known hardy perennials; the tall varieties are fine for cutting, while the dwarf sorts make excellent border plants; all have dainty bell-shaped flowers

Carpatica, Blue (<i>Carpathian Hare Bell</i>). Compact tufts not exceeding 8 inches; flowers clear blue, held erect; blooms in June and July	Large Pkt.	Pkt.
	\$0.25	\$0.05
Carpatica, Alba. Pure white .....	.25	.05
Persicifolia Grandiflora, Blue (<i>Peach Bells</i>). Stately spikes, 4 feet tall with immense blue bell-shaped flowers .....	.40	.15
Persicifolia Grandiflora, Alba. Pure white .....	.40	.15
Pyramidalis (<i>Chimney Bellflower</i>). Perfect pyramids 6 feet high crowded with large bell-shaped flowers, blue and white mixed .....	.30	.05



Michell's Giant White Candytuft

CANDYTUFT (*Iberis*)

Splendid edging plants, flowering within six weeks after sowing; height, 1 foot. They are excellent for cutting. Large

	Oz.	Pkt.	Pkt.
Carmine. Deep scarlet	\$0.40	\$0.20	\$0.05
Crimson .....	.40	.20	.05
Empress. An excellent variety with long trusses of pure white flowers .....	.40	.20	.10
Lavender .....	.40	.20	.05
Little Prince. Very dwarf and compact with pure white flowers; excellent for edging....	.40	.20	.10
Michell's Giant White. The largest and finest white. From 10 to 12 immense spikes resembling Hyacinths appear on a single plant; fine for forcing .....	.75	.20	.10
Pink .....	.40	.20	.05
Purple. Deep rich purple .....	.40	.20	.05
White Rocket. Long spikes .....	.25		.05
Collection. One packet each, 6 varieties .....			.25
Sempervirens. Dwarf spring flowering perennial plants; ideal for the bulb border; flowers of glistening white; May; 1 foot .....		.50	.10

CARDINAL CLIMBER**Impomoea Quamoclit Hybrida**

A distinct and beautiful new annual climber; a very rapid grower and free bloomer; the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Leaves dark green and deeply lacinated; bears a great profusion of fiery, cardinal red flowers, which are about 1½ inches in diameter. Per pkt., 15c.; 65c. per large pkt.

CARNATION

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer. Large pkt. Pkt. Chabaud's Everblooming Mixed. Blooms in five months after being sown

.....	\$0.50	\$0.15
Early Vienna. Large double flowers in mixture.....	.40	.10
Choice Mixed. Double border varieties .....	.50	.10

MARGUERITE CARNATIONS

These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected the first winter, they will revive the following spring and bloom during that whole season. Large pkt. Pkt.

Excelsior Mixed. Extra large flowers	\$0.40	\$0.15
Pink .....	.40	.10
Scarlet .....	.40	.10
White .....	.40	.10
Yellow .....	.40	.10
Choice Mixed	oz., \$1.00	.25 .10

Ask for Cultural Leaflet No. 213 on the growing of Carnations from seed.

CANNA (*Indian Shot*)

Although these are generally planted from roots, they may be grown with comparative ease from seed. Scrape or file the edge of seed and soak in warm water until they show signs of swelling, then sow in sandy loam and place in a hot bed.

	Oz.	Pkt.
Dr. E. Ackernecht. Deep carmine	\$0.50	\$0.10
Eureka. Creamy white .....	.50	.10
Florence Vaughan. Yellow, spotted red .....	.50	.10
Louis Reverchon. Cochineal red .....	.50	.10
Mrs. Alfred Conard. Soft salmon pink .....	.50	.10
Crozy's Dwarf Mixed. From the finest sorts ....	.30	.05

CASTOR OIL BEAN (See *Ricinus*)**CELOSIA CRISTATA** (*Crested Cockscomb*)

Very desirable for garden effects or edging; easily grown; produces large, brilliant comb-like heads. Large pkt. Pkt.

Giant Empress. Giant heads of rich crimson	\$0.30	\$0.10
Glasgow Prize .....	.30	.10
Sutton's Prize. Very dwarf, bright scarlet comb..		.60
Choice Mixed. Dwarf varieties	oz., \$1.00	.25 .05

CELOSIA PLUMOSA (*Feathered Cockscomb*)

A splendid decorative plant for the garden. The feathery plumes are produced on long stems and are excellent for cutting. Large pkt. Pkt.

Childsi (<i>Chinese Woolflower</i>). Plants grow 2½ feet high, and produce a large number of ball-shaped scarlet flowers resembling silky wool. For illustration, see page 53.....	.50	.15
Golden Plume. Bright golden plume .....	.20	.10

Pride of Castle Gould. Plants grow compact and pyramidal, about 2 to 3 feet high, producing immense flower heads, that closely resemble ostrich plumes. Colors are blood-red, carmine, yellow, orange, golden, orange-scarlet, etc., in mixture .....	.40	.15
Scarlet .....	.20	.10
Spicata. Of pyramid growth; flowers pink shading to silvery white; 3 feet .....	.25	.10
Thompsoni Magnifica. An improved strain with various colors .....	.25	.10
Thompson's Superb. A strain with bronze colored foliage and graceful feathery plumes of brilliant crimson; 2 feet .....	.20	.10
Choicest Mixed. All colors	oz., 50c.	.20 .05



In order to have good germination of the seed of Cardinal Climber, a small notch should be filed or cut in each seed.



Centaurea Cyanus (Corn Flower)

CENTAUREAS

CENTAUREA CYANUS (Cornflower or Bachelor's Button)

Also known as Blue Bottle, Ragged Sailor, Bluet, etc.; an old favorite garden annual, flowering freely in almost any situation; excellent for cutting; 2 feet.

	Oz.	Large Pkt.	Pkt.
Double Blue. Large flowering	\$1.00	\$0.20	\$0.10
Emperor William. Deep blue .....	.40	.20	.05
Pink .....	.40	.20	.05
White .....	.40	.20	.05
Choice Mixed .....	.35	.20	.05
Double Mixed .....	.50	.20	.05

CENTAUREA IMPERIALIS

(Giant Cornflower, or Sweet Sultan)

Gigantic, beautiful, sweet-scented flowers borne on long stems. They are well adapted for cutting and remain fresh long after being cut. Height, 2 to 3 feet.

	Oz.	Large Pkt.	Pkt.
Deep Rose	\$1.00	\$0.25	\$0.10
Lavender	1.00	.25	.10
Lilac	1.00	.25	.10
Brilliant Pink	1.00	.25	.10
Purple	1.00	.25	.10
White	1.00	.25	.10
Choice Mixed .....	.75	.20	.10
Collection. One packet each above 6 colors....			.50

NEW GIANT FLOWERED CENTAUREA

Magnificent flowers produced on long, stout stems; excellent for cutting.

	Large Pkt.	Pkt.
Bride. Pure white	\$0.40	\$0.10
Bridegroom. Purplish mauve .....	.40	.10
Honeymoon. Golden yellow .....	.40	.10

CENTAUREAS—Continued.

WHITE LEAVED CENTAUREA (Dusty Miller)

Grown for their silvery foliage as edging plants.
500 Seeds Pkt.

Candidissima. Broad cut leaves of silvery gray	\$0.30	\$0.10
Gymnocarpa. Fine cut silvery gray foliage..	.20	.10

VARIOUS CENTAUREAS Large Pkt. Pkt.

Americana. An excellent variety, growing about 3 feet high, with large, lilac purple, thistle-like flowers	\$0.20	\$0.10
Suaevolens (Yellow Sweet Sultan). Showy, bright yellow, fragrant blossoms.....	.20	.05
Montana. Blue; perennial; 18 inches .....	.30	.10

CERASTIUM (Snow in Summer)

Tomentosum. Dwarf, white-leaved edging plant; flowers white; 4 inches	\$0.40	\$0.15
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CHRYSANTHEMUM—ANNUAL VARIETIES

Exquisitely colored daisy-like flowers with finely cut foliage; good for cutting; also effective as a border plant.
Large Pkt. Pkt.

Helios (Evening Star). Extra large pure golden yellow flowers often measuring 4 inches across; height, 2 feet	\$0.20	\$0.10
Inodorum, "Snowball." Large double flowers of finest white and good form; splendid for cutting; 1½ feet .....	.25	.10
White Star. Purest white .....	.20	.10
Double Mixed	oz., 35c.	.20 .05
Single Mixed	oz., 35c.	.20 .05

CHRYSANTHEMUM—PERENNIAL VARIETIES

Frutescens Grandiflorum (Paris Daisy or Marguerite). Single white flowers	\$0.20	\$0.10
Japanese Hybrids. Large flowers of the finest types; an extra choice mixture; seed sown in spring will produce flowering plants by fall; 2 feet .....	.65	.15
King Edward VII. Flowers extra large; pure white .....	.25	.10
Mrs. C. Lothian Bell. Immense pure white flowers .....	.50	.15
Shasta Daisy, "Alaska." The finest of all single white flowers on long stems; 2 feet..	.50	.20



Centaurea Imperialis (Natural Size)



Cineraria—Michell's Grandiflora Prize

CINERARIA

One of the most ornamental and useful plants for conservatory or house decoration; seed may be sown from May to September for a succession. Our **Grandiflora Prize Strain** cannot be surpassed; immense trusses of large flowers, often measuring 4 inches across. Large Pkt. Pkt.

Grandiflora Prize Dwarf. Mixed colors; plants of dwarf habit	\$0.75	\$0.35
Grandiflora Prize Medium Tall. Mixed colors; desirable as a decorative plant .....	.75	.35
Hybrida. Choice mixed colors .....	.65	.25
Matador. Large bright red flowers .....	.75	.35
Radiata Hybrida. New varieties of the Star Cineraria in a wide range of colors and shades .....	.75	.20
Stellata (Sutton's). Medium sized star-like flowers. Original pkt.		1.00
Stellata Hybrida. Of graceful and vigorous habit, producing a profusion of elegant flowers.....	.75	.25
Sutton's Superb. Mixed colors. Original pkt.		1.00

WHITE-LEAVED CINERARIA (Dusty Miller)

Maritima Candidissima. Silvery green lacinated foliage, good for edging20	.05
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CLARKIA

Annuals of easy culture; planted in large groups they are very bright and effective. Large Pkt. Pkt.

Single Mixed. All colors	\$0.20	\$0.05
Double Mixed. All colors .....	.20	.05

CLEMATIS

Perennial climbers; fine for arbors, verandas, etc. Large Pkt. Pkt.

Flammula. Feathery-white fragrant flowers....	\$0.20	\$0.05
Jackmann's Large Flowering. Mixed; saved from the finest, large flowering sorts.....	.50	.15
Paniculata (Japanese Virgin's Bower). The beautiful autumn flowering variety admired for its fragrant, white star-shaped flowers20	.10

CLEOME (Spider Plant)

Pungens. Pink flowers	\$0.20	\$0.05
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COBAEA SCANDENS (Cups and Saucers Vine)

Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edgewise, and merely cover with light soil. Large Pkt. Pkt.

Purple	oz., 60c.	\$0.20	\$0.10
White .....		.25	.10

COCKSCOMB. See Celosia

COIX LACHRYMAE (Ornamental Grass)

(See page 71)

COLUMBINE See Aquilegia

COLEUS

Large Pkt. Pkt.

Large Leaved Hybrids. Popular bedding, plants with beautifully colored foliage; easily grown from seed if kept in a warm temperature

CONVOLVULUS (Morning Glory)**MAJOR, OR TALL VARIETIES**

One of the most popular annual climbers, growing about 15 feet in height and thriving in almost any situation. Oz. Pkt.

Japanese Imperial. Flowers of immense size and of a great variety of colors...\$0.25 \$0.05

Japanese Imperial Fringed. Large fringed flowers of many beautiful colors and shades

Snow Fairy.. A new and beautiful variety, producing an abundance of large double, snow-white, tassel-like flowers

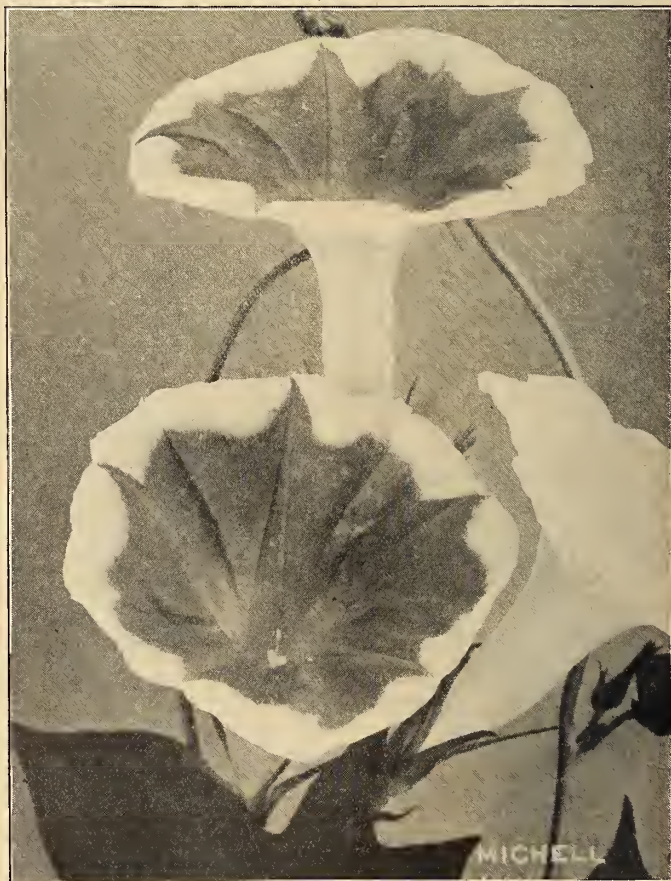
Mixed. The ordinary variety

Double Flowering. Mixed colors

MINOR, OR DWARF VARIETIES

A very showy hardy annual for flower beds and borders; also rock work; height, 1 foot.

Tricolor. Blue .....	.25	.05
Mixed Colors .....	.20	.05



Japanese Imperial Morning Glory (Convolvulus)



Michell's Giant Fancy Cosmos

COSMOS

One of the most beautiful and useful of hardy annuals, producing large showy flowers in great profusion; excellent for cutting.

	Oz.	Pkt.	Pkt.
Double Eureka Crimson (<i>New</i>). The flowers are full, round, double and very fine.....	\$0.65	\$0.25	
Double Eureka Pink .....	.65	.25	
" Snowball. White .....	.65	.25	
Double Pink Beauty. A large percentage of the flowers come double, and the few singles produced are extra fine .....	.50	.15	
Double Red Beauty. Cherry red .....	.50	.15	
Double White Queen. Pure white .....	.50	.15	

LARGE EARLY FLOWERING COSMOS

This new Early Flowering Strain will begin blooming as early as July and will continue until frost; flowers large, often measuring 3 inches across; 4 feet.

	Oz.	Pkt.	Pkt.
Crimson	\$0.75	\$0.20	\$0.10
Pink .....	.75	.20	.10
White .....	.75	.20	.10
Mixed .....	.60	.20	.10
Dawn. White flushed with pink .....	.60	.20	.10

GIANT LATE FLOWERING COSMOS

Large flowers of perfect form; on long stems and lasting until frost; 5 to 6 feet.

	Oz.	Pkt.	Pkt.
Giant Crimson	\$0.50	\$0.20	\$0.10
" Pink .....	.50	.20	.10
" White .....	.50	.20	.10
" Mixed .....	.40	.20	.05
" Fancy Varieties. Mixed colors	1.00	.30	.10
" Crimson Ray. Large flowers with narrow and fluted crimson petals, separated in star-like form .....	.75	.20	.10
Giant Lady Lenox. Flowers are of immense size, with wide overlapping petals, making a perfectly circular flower; color a beautiful shell pink .....	.60	.20	.10
Giant White Lady. A selection from the Lady Lenox described above; flowers large, pure white .....	.60	.20	.10
Giant Rainbow. Delicate colorings .....	.90	.25	.10
Klondyke. Large golden yellow flowers....	.90	.25	.10

Ask for Cultural Leaflet No. 214 on the growing of Cosmos.

See page 52 for illustration of the New Double Cosmos.

CORN

Rainbow. Stalks grow 5 feet tall, leaves variegated, with broad stripes of crimson, yellow, white, green, etc.; excellent for decorating\$0.30 \$0.10

CORNFLOWER—See Centaurea

COWSLIP—See Primula Veris

CUPHEA (Cigar Plant)

Platycentra. Interesting bedding plant; the flower is shaped like a hollow cigar; color, scarlet with a black and white tip; 1 foot\$0.50 \$0.10



Michell's "Distinctive" Giant Cyclamen

CYCLAMEN

Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

MICHELL'S DISTINCTIVE GIANT

Grown for us in England by a specialist who has received numerous first prizes for the large size and beautiful coloring of the flowers.

	100 Seeds Pkt.	
Duke of Connaught. Crimson	\$1.75	\$0.50
Excelsior. White with red eye	1.75	.50
Grandiflora Alba. White	1.75	.50
Princess of Wales. Pink	1.75	.50
Salmon Queen. Salmon pink	2.00	.50
St. George. Flowers a beautiful salmon color; leaves margined with silver	2.00	.50
Mixed. All colors	1.50	.40

VARIOUS CYCLAMEN

Mrs. Buckston. Frilled and waved flowers; color delicate salmon. Original pkt .....	.75
Papilio (<i>Butterfly</i>). The edges of the flowers are beautifully fringed, or waved; mixed colors.....	1.75 .40
Persicum. Choice mixed	1.00 .10
Sutton's Giant. Choicest mixed	Original pkt. 1.00

Ask for Cultural Leaflet No. 215 on the growing of Cyclamen.

CYPERUS (Umbrella Plant)

Alternifolius. An elegant plant for growing in water or damp places; useful as a pot plant\$0.40 \$0.10



CYPRESS VINE (*Ipomoea Quamoclit*)

A very graceful annual climber, with feathery foliage; and beautiful, star-like flowers.

	Oz.	Large Pkt.	Pkt.
Scarlet	\$0.50	\$0.20	\$0.05
White .....	.50	.20	.05
Mixed .....	.40	.20	.05



Dahlia, Double Large Flowering Show

DAHLIAS (FROM SEED)

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises. Seed should be started in the house from February till May and the young plants should not be set outdoors until danger from frost is past.

DOUBLE FLOWERING VARIETIES

	Large Pkt.	Pkt.
Cactus. Choice mixed	\$0.50	\$0.10
Large Flowering (Show Type). Mixed .....	.40	.10

SINGLE FLOWERING VARIETIES

Collarette. Flowers of various colors, with a collar of small petals around the centre .....	.30	.15
Giant Perfection. Immense single flowers of various colors, many beautifully striped and spotted .....	.25	.10
Twentieth Century. Flowers of immense size with distinct colorings; very handsome .....	.50	.15

DAISY, ENGLISH DOUBLE (*Bellis Perennis*)

These are favorite perennials; seed should be sown from June 1st till September, transplanted in the fall and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches.

	Large Pkt.	Pkt.
Longfellow. Large double pink flowers	\$0.40	\$0.10
Monstrosa, Pink. These surpass all strains of this popular plant in growth and in the abundance of extra large, perfectly double flowers .....	.65	.25
Monstrosa, White .....	.65	.25
Monstrosa, Mixed .....	.65	.25
Snowball. Purest white; large and double .....	.40	.10
Double Mixed. Finest quality .....	.40	.10

DATURA (Trumpet Flower)

A most ornamental plant growing quite bushy with extra large trumpet-shaped flowers; height, 2 to 3 feet.

	Large Pkt.	Pkt.
Cornucopia (<i>Horn of Plenty</i>). Large double sweet-scented flowers; white marbled with purple	\$0.20	\$0.10
Double Golden. Golden yellow flowers; fragrant .....	.20	.05
Double Mixed. All colors .....	.20	.05



Delphinium—Kelway's Giant

DELPHINIUM (Hardy Perennial Larkspur)

One of the finest hardy perennials; very easily grown from seed, blooming the first season if sown early. Very effective in beds, masses or borders. To prolong the season of bloom, cut the old flower stems off after they have faded, and new shoots will produce flower heads successfully.

Large Pkt. Pkt.

Belladonna. One of the most continuous blooming varieties; immense spikes of clear turquoise blue; 5 feet	\$0.65	\$0.25
Chinense Grandiflorum. A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet .....	.25	.05
Chinense Grandiflorum Album. Pure white flowers .....	.25	.05
Duke of Connaught. Rich oxford blue with a distinct white eye .....	.50	.15
Elatum (<i>Bee Larkspur</i>). Rich blue; 4 feet .....	.30	.10
Formosum. Deep blue; 3 feet .....	.30	.10
Formosum Coelestinum. Sky blue .....	.50	.15
Kelway's Giant. An extra fine strain of strong, vigorous growth, with immense spikes of large flowers; many shades of blue; 5 to 7 feet .....	.50	.15
Nudicaule. Bright scarlet; 18 inches .....	.50	.10
Queen Wilhelmina. Large flowers of a soft lavender blue, flushed with rose, white eye .....	.50	.15
Rev. E. Lascelles. An extra fine variety; large double, deep blue flowers with white centre .....	.65	.15
Zalil. Sulphur yellow; 4 feet .....	.50	.10
Hybridum Mixed. Very choice; 4 feet .....	.20	.05

For Annual Larkspur, see page 73

For Hardy Delphinium Plants, see page 109.

Yorktown Heights, N. Y., Sept. 8, 1917.

Gentlemen:—

Permit us again to add our praise to Michell's Pink Superb Aster; they bloom profusely and the flowers are immense, measuring from four to five inches in diameter, and of a beautiful shade of pink.

Very truly yours,
W. E. V.

*Dianthus—Double Annual Pinks***DIANTHUS (Pinks)**

A most satisfactory class of flowers, easily raised from seed and which are in constant bloom the entire season; excellent for cutting.

DOUBLE ANNUAL SORTS

	Large	Pkt.	Pkt.
China or Indian Pink. All colors mixed..oz., 60c.	\$0.20	\$0.25	\$0.05
Fireball. Rich blood-red flowers .....	.25	.10	
Fringed. Large flowers; mixed .....	.20	.10	
Japan Pink. Choice mixed .....	.20	.10	
White. Large fringed flowers .....	.25	.05	

SINGLE ANNUAL SORTS

Japan Pink. All colors. Mixed .....	.20	.05
Nobilis (<i>Royal Pinks</i>). The large open single flowers measure three to four inches in diameter and are remarkable for the varied range of extremely bright colorings .....	.25	.10
Salmon Queen. Fringed; salmon pink .....	.25	.10
Imported Collection. 10 varieties .....	.50	

HARDY GARDEN PINKS

Elegant summer flowering border plants, producing a wealth of deliciously fragrant flowers.

	Large	Pkt.	Pkt.
Clove Scented. Double and semi-double varieties, in beautiful colors; fragrant	\$0.40	\$0.10	
Double Scotch. Choice colors .....	.40	.15	
Pheasant's Eye. Single white fringed flowers with dark centre .....	.20	.05	

DICTAMNUS (Gas Plant)

Fraxinella. Showy bushy plants; 2½ feet high; purple red flowers; June and July20	.05
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*Digitalis (Foxglove)—Gloxiniaeflora***DIGITALIS (Foxglove)**

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet.

	Oz.	Large Pkt.	Pkt.
Gloxiniaeflora, Pink	\$1.00	\$0.25	\$0.10
" Purple	1.00	.25	.10
" White	1.00	.25	.10
" Mixed .....	.75	.20	.05
Grandiflora, Yellow .....	.75	.20	.05
Monstrosa (<i>Mammoth Foxglove</i>). The tall spikes are surmounted by one monstrous flower. All colors mixed	oz., \$1.25	.30	.10

*Dimorphotheca—Aurantiaca***DIMORPHOTHECA**

	Large	Pkt.	Pkt.
Aurantiaca (<i>African Orange Daisy</i>). One of the showiest garden annuals; compact, bushy plants with orange-gold daisy-like blooms on long stems; excellent for cutting	\$0.25	\$0.10	
Aurantiaca Hybrids. A splendid mixture of colors and shades, from white through various shades of yellow, orange, rose, etc. ....	.30	.10	
Aurantiaca Hybrids, fl. pl. Double and semi-double flowers in various colors .....		.20	



DOLICHOS (Hyacinth Bean)

ers.	Rapid growing climber, bearing a profusion of bean-like flowers.	flow- Oz.	Pkt.
Darkness.	A variety from Japan; rapid grower; flowers reddish violet	.....oz.	\$0.30 \$0.10
Daylight.	Identical to the above except in color, which is pure white	.....oz.	.30 .10
Choice Mixed		.....oz.	.20 .05

DRACENA

	Ornamental plants for vases or conservatory decoration	Large Pkt.	Pkt.
Australis.	Broad green leaves	.....oz.	\$0.20 \$0.10
Indivisa.	Narrow green leaves	.....oz., 50c.	.20 .10

ECHINOCYSTIS (Wild Cucumber Vine)

Lobata.	One of the quickest growing vines; excellent for covering trellises, fences, etc.oz., 35c.	.20 .05
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EDELWEISS

Leontopodium Alpinum.	The famous Alpine flower, suitable for rock work, etc.; 6 inchesoz.	.50 .15
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Eschscholtzia (California Poppy)

ESCHSCHOLTZIA (California Poppy)

An elegant hardy annual with fine cut foliage, and large, poppy-like flowers; in bloom from June until frost; fine for borders or large beds; 1 foot.

Californica.	Pure yellow	.....oz., 40c.	\$0.20 \$0.05
Carmine King.	Beautiful carmine rose on both sides of the petals	.....oz., 60c.	.20 .10
Golden West.	Magnificent large deep golden yellow flowers	.....oz., 40c.	.20 .10
Mandarin.	Inner side of petals orange, outer petals scarlet	.....oz., 40c.	.20 .05
Orange.	Rich orange yellow	.....oz., 40c.	.20 .05
Rose Cardinal.	Carmine rose	.....oz., 40c.	.20 .05
White		.....oz., 40c.	.20 .05
Choice Mixed		.....oz., 35c.	.20 .05

EULALIA (Ornamental Grass) See page 71

EUPATORIUM

A fine hardy perennial, which will grow and thrive in almost any situation; blooms the first season from seed if sown early; excellent for cutting; 2 feet.

Fraseri. Feathery white flowersoz. \$0.20 \$0.10

EUPHORBIA

Plants with ornamental foliage; very showy and easily raised from seed; height, 2 feet.

Heterophylla (*Mexican Fire Plant*). Glossy green leaves, turning to orange scarlet in mid-season....oz. \$0.25 \$0.10

Variegata (*Snow on the Mountain*). Foliage veined and margined with white.....oz., 60c. .20 .05

FERNS

Adiantum (<i>Maiden Hair</i>).	Mixed	.....oz.	\$0.65 \$0.15
Pteris Varieties.	Mixed	.....oz.	.65 .15
All Sorts Mixed.	Choice collection	.....oz.	.65 .15

We can also furnish all other varieties of fern spores.

FEVERFEW (Matricaria)

Double White. Hardy annual; free flowering; for bedding or pot culture; showy double white flowers; 18 inchesoz., 60c. .20 .10

FORGET-ME-NOT. (See Myosotis)

FOUR O'CLOCK. (See Marvel of Peru)

FOXGLOVE. (See Digitalis)

FUCHSIA (Lady's Ear Drop)

Double and Single Mixed. Well known greenhouse plants of easy culture100 seeds, \$1.00 \$0.15



Gaillardia, Grandiflora

GAILLARDIA (Blanket Flower)

ANNUAL VARIETIES

A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear uninterruptedly the entire season on stout erect stems often 15 to 18 inches in length.

Picta Lorenziana.	Double mixed	.....oz., 50c.	\$0.20 \$0.05
Picta Mixed.	Single flowers in all colors	.....oz., 50c.	.20 .05

PERENNIAL VARIETIES

One of the most brilliant of hardy perennials; blooming the first year from seed if sown early.

Grandiflora Compacta.	A compact variety; choice mixed colors; 12 to 15 inches	.....oz., 90c.	\$0.20 \$0.10
Grandiflora Sanguinea.	Blood red flowers	.....oz.	.25 .15
Grandiflora Semi-Double.	Mixed	.....oz.	.25 .10
Grandiflora Sulphurea.	Sulphur yellow	.....oz.	.25 .10
Grandiflora Superba.	Mixed colors	.....oz., 75c.	.20 .10



GENTIANA (Blue Gentian)

Acaulis. A dwarf hardy perennial; deep blue flowers; suited to moist, shady situations \$0.30 \$0.10

GERANIUM 100 Seeds Pkt.

Apple Scented. Highly esteemed on account of its fern-like, fragrant foliage; 1 foot \$0.40 \$0.10

Pelargonium (Lady Washington). Seed saved from the largest flowered show varieties 2.00 .25

Zonale Mixed. A superb strain of the largest and finest varieties; 1 to 2 feet \$0.30 .10

GERBERA (Transvaal Daisy)

Splendid greenhouse perennials with large fine-leaved, daisy-like flowers; splendid for pot plants or cutting.

Jamesoni Gigantea. Extra large flowers of bright scarlet \$1.25 \$0.25

Jamesoni Hybrida. These hybrids include a wonderful range of brilliant colors and shades 1.00 .25

GEUM Large Pkt. Pkt.

Atrosanguineum Fl. Pl. A beautiful hardy perennial, bearing large, showy, double, dark crimson flowers all through the summer; fine for bouquets; 1½ ft. .25 .10

GLOXINIA Large Pkt. Pkt.

Hybrida Grandiflora. The best strain in existence, embracing all the choicest self-colored and tigered and spotted flowers \$0.75 \$0.25

GODETIA (Satin Flower)

Beautiful and easily grown hardy annuals, producing a profusion of flowers of satiny texture.

Gloriosa. Large, blood-red flowers \$0.20 \$0.10

Choice Mixed. All colors20 .05

GOLDEN ROD (Solidago Canadensis)

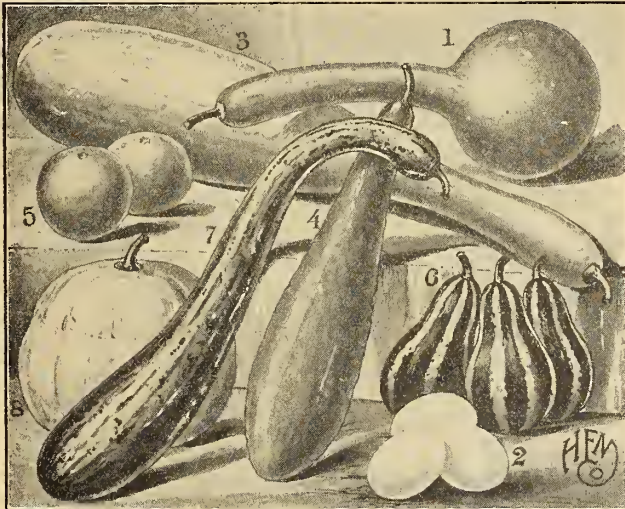
A well-known hardy perennial; deep golden-yellow flowers; 2 feet20 .05

GOMPHRENA (Globe Amaranth)

Also called "Bachelor's Buttons"; a showy annual everlasting; flowers resemble clover heads and when dried are useful for winter bouquets; fine for bedding.

Nana Compacta. Dwarf red; 1 foot \$0.60 \$0.20 \$0.05

Mixed. All colors; 2 feet50 .20 .05



Ornamental Gourds

GOURD (Ornamental)

	Oz.	Pkt.	Pkt.
Calabash, or Dipper. No. 1	\$0.40	\$0.20	\$0.05
Egg-Shaped. White like an egg. No. 2.....	.40	.20	.05
Hercules Club. Club-shaped; No. 3 .....	.40	.20	.05
Luffa (Dish Rag or Bonnet Gourd). No. 4..	.40	.20	.05
Orange-Shaped (Mock Orange). No. 5.....	.40	.20	.05
Pear-Shaped. Striped. No. 6 .....	.40	.20	.05
Serpent. Striped; 5 feet long. No. 7.....	.40	.20	.05
Sugar Trough. Used as water holder. No. 8	.40	.20	.05
Mixed. In a great variety .....	.35	.20	.05

GRASSES, ORNAMENTAL

These are very interesting and useful, either for growing in clumps, mixed borders or in shrubberies. Also when dried they are fine for winter bouquets and decorations, for which purpose they should be gathered before fully matured.

ARUNDO (Great Reed)

Donax. Perennial with drooping green and white striped leaves; excellent for lawn clumps; 9 feet.. \$0.20 \$0.10

AVENA (Animated Oats)

Sterilis. Long, sensitive awns which expand and contract, causing the seed to rattle in the pod; annual; 18 inches20 .05

BRIZA (Quaking Grass)

Maxima. Elegant panicles; excellent for bouquets and dried flowers; annual; 1 foot20 .05

BROMUS

Brizaeformis. Large drooping panicles, useful for bouquets; 2 feet; annual20 .05

COIX LACHRYMAE (Job's Tears)

A strong, broad leaved ornamental grass, with large shining, pearly seeds; annual; 2 to 3 feet..oz., 20c. .05

EULALIA

Japonica. A hardy perennial variety, with long graceful leaves; green and white striped; 4 to 5 feet.. .20 .05

GYNERIUM (Pampas Grass)

Argenteum. White silvery plumes; perennial; blooms the second season; 8 to 10 feet20 .10

HORDEUM JUBATUM (Squirrel Tail Grass)

Bushy panicles; excellent for bouquets; annual; 3 feet .20 .05

PENNISETUM

Longistylum. Graceful greenish-white plumes, fine for beds or dried bouquets; 2 feet; annual20 .05

Ruppelianum (Purple Fountain Grass). Excellent for beds or for dried bouquets; purple plumes; 3 feet; annual20 .10

STIPA PENNATA (Feather Grass)

Hardy perennial with silvery-white, feathery plumes; flowers the second season; 2 feet30 .05

One packet each of the above 11 varieties of Ornamental Grasses for 60 Cents.

GREVILLEA (Silk Oak)



Robusta. A beautiful and graceful decorative plant with fern-like foliage; excellent for table decoration; easily raised from seed. Pkt., 10c.; 25c. per large pkt.; oz., \$1.00.

GYPSOPHILA

(Baby's Breath)

Pretty, free-flowering plants of easy culture; excellent for cutting to mix with other flowers; 2 feet.

Gypsophila Paniculata Fl. Pl.

	Oz.	Pkt.	Pkt.
Elegans Alba Grandiflora. A hardy annual variety; delicate sprays of pure white flowers	\$0.35	\$0.20	\$0.05
Paniculata. Hardy perennial variety; flowers in graceful sprays of white; will bloom the first season if sown early .....	.75	.20	.05
Paniculata fl. pl. Perennial, with a profusion of double white flowers. 50c. per 3 pkts.			.20

**HELENIUM** (Sneeze-Wort)

Large Pkt. Pkt.

Autumnale Superbum. A hardy perennial, succeeding in almost any kind of soil; large heads of golden yellow flowers; blooms in late summer and autumn; 5 to 6 feet\$0.30 \$0.10

HELIANTHUS (See Sunflower)*Helichrysum (Strawflower)***HELICHRYSUM** (Strawflower)

One of the best and most popular of the everlasting flowers; the varieties offered below are all of the Monstrosum type, producing larger and more perfectly double flowers than the old variety. Valuable for cutting or decoration, either when fresh or in their dried state. 2 feet.

	Large Pkt.	Pkt.
Fireball. Crimson	\$0.25	\$0.10
Golden Ball. Golden yellow .....	.25	.10
Salmon Pink .....	.25	.10
Silver Ball. White .....	.25	.10
Choice Mixed	oz., 75c.	.20
Imported Collection, 10 varieties .....		.50

HELIOPSIS (Orange Sunflower)

Pitcheriana. A handsome hardy perennial; producing an abundance of deep orange yellow flowers the entire summer; excellent for cutting; 3 to 4 feet (oz., 60c.)\$0.20 \$0.10

HELIOTROPE

A well-known and highly prized plant on account of the delightful fragrance of the flowers; seed started indoors in the spring will make fine plants for summer blooming; can also be sown outdoors in May. Excellent for pots, or for bedding; 18 inches.

	Large Pkt.	Pkt.
Lemoine's Giant. Produces a profusion of flowers nearly double the size of the old sort; mixed colors..	\$0.40	\$0.15
Regal. Of dwarf compact growth; immense flowers; all shades .....	.50	.15
Choice Mixed. Of many varieties .....	.30	.10

HEUCHERA (Alum Root)

Sanguinea. Hardy perennial; spikes of vivid crimson flowers; excellent for cutting; 1 foot50 .10

HIBISCUS (Marshmallow)

Showy ornamental perennial plants for mixed beds or shrubbery borders, with large and beautifully colored flowers.

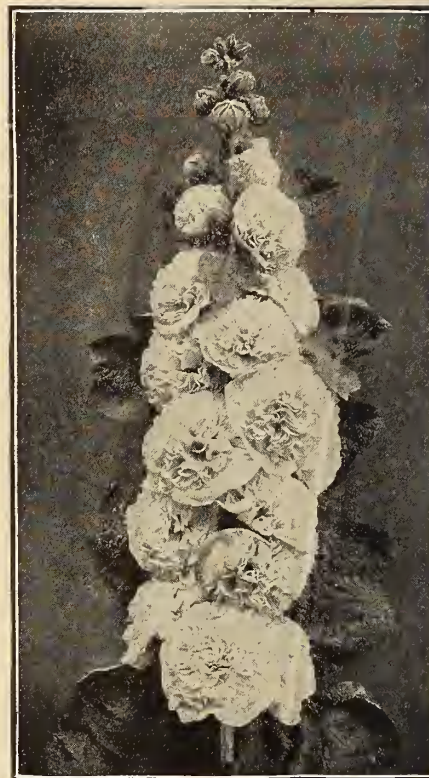
	Large Pkt.	Pkt.
Crimson Eye. Large white flowers with crimson centre; 4 feet	\$0.20	\$0.10
Golden Bowl. Giant yellow, maroon centre.....	.20	.10
Moscheutos. Large, rosy red flowers with dark centre .....	.20	.05
New Giant (Mallow Marvel). Gigantic single flowers, in many shades of red, pink, purple and white, mixed .....	.25	.15

HONESTY (Lunaria)

Biennis Alba. Hardy biennial, admired for its silvery seed pods, which are used for ornamental purposes; 2 feet20 .05

HORDEUM (Ornamental Grass)

(See page 71)

*Hollyhocks***HOLLYHOCK**

A popular and desirable hardy perennial plant; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet.

	Oz.	Large Pkt.	Pkt.
Allegheny. Semi-double; mammoth flowers, edges fringed and laciniated; mixed.....	\$1.00	\$0.25	\$0.10
Chater's Double Maroon	1.25	.25	.10
Chater's Double Pink	1.25	.25	.10
Chater's Double Red	1.25	.25	.10
Chater's Double Salmon	1.25	.25	.10
Chater's Double White	1.25	.25	.10
Chater's Double Yellow	1.25	.25	.10
Chater's Double Mixed	1.00	.25	.10
Collection, one packet each of above 6 colors .....			.50
Single Mixed .....	.90	.20	.10

ANNUAL EVERBLOOMING HOLLYHOCK

While these are also hardy perennial varieties, if seed is sown in the house in March or April they will bloom the first season.

	Oz.	Large Pkt.	Pkt.
Double Ever-blooming Mixed. Colors range from white to deep black, yellow, pink, red, and purple	oz., 1.25	\$0.30	\$0.15
Single Ever-blooming Mixed.	oz., 1.00	.25	.10

Ask for Cultural Leaflet No. 212 on the growing of Hardy Perennials from seed.

HUMULUS (Japanese Hop)

A rapid growing annual climber with luxuriant foliage; excellent for covering verandas, trellises, etc.

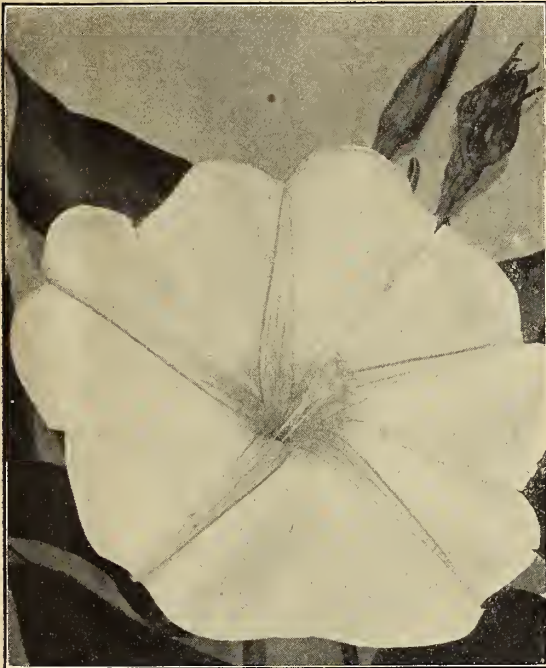
	Oz.	Large Pkt.	Pkt.
Japonicus. The foliage resembles that of the common Hop, is very dense, and of a lively green color	\$0.50	\$0.20	\$0.05
Variegatus. A variegated variety of the above. The leaves are beautifully mottled and splashed silvery white, light and dark green....	.50	.20	.10

HUNNEMANNIA (Giant Yellow Tulip Poppy)

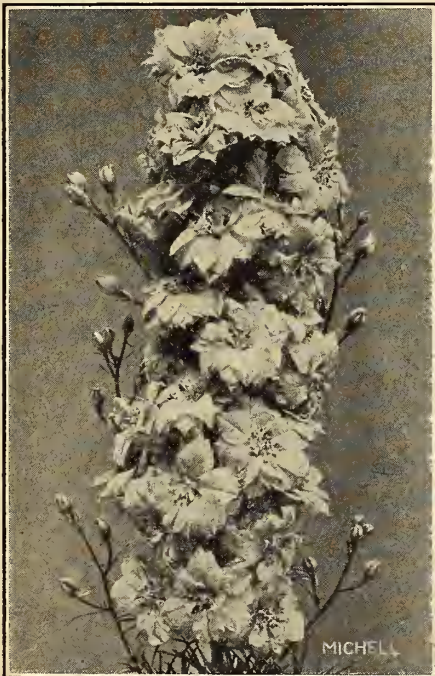
Large Pkt. Pkt.

Fumariaefolia. Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of July, continuing for the balance of the season; the foliage resembles *Eschscholtzia*; height, 2 feetoz., 60c. \$0.20 \$0.10

HYACINTH BEAN (See *Dolichos*)

*Ipomoea (Moon Flower)***IPOMOEA**

	Large Pkt.	Pkt.
Grandiflora Superba. Flowers sky-blue with a white margin .....oz., 50c.	\$0.20	\$0.05
Heavenly Blue (Rubra Coerulea). Large, sky-blue flowers .....oz., \$1.00	.25	.40
Noctiflora (Moon Flower). At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers.....oz., 60c.	.20	.10
Quamoclit Hybrida (Cardinal Climber). Fiery cardinal red .....oz., 60c.	.65	.15
Setosa (Brazilian Morning Glory). Large leaves and bright rose-colored flowers .....oz., 40c.	.20	.05
Mixed. Various colors .....oz., 40c.	.20	.05

*Larkspur, Double Tall Stock Flowered***IMPATIENS (Sultan's Balsam)**

A charming plant for house and conservatory decoration.

Holstii. Resembles Impatiens Sultanii in leaf and shape of bloom, but flowers are larger; color, vermillion red. Pkt., 20c.; 50c. per large pkt.

Holstii, "New Hybrids." The colors offered in these Hybrids are beautiful and of many shades. Pkt., 15c.; 50c. per large pkt.

Sultani. Brilliant rosy-scarlet. Pkt., 15c.; 50c. per large pkt.

Sultani Hybrida. Colors ranging from pale pink to dark crimson. Pkt., 15c.; 50c. per large pkt.

INCARVILLEA

(Hardy Gloxinia)

Delavayi. Deeply cut hairy foliage with stout stalks terminated with 3 to 5 most beautiful pink, gloxinia-like flowers; perennial; May; 15 inches.

Pkt., 25c.; 50c. per large pkt.

*Kochia Trichophylla***IRIS (Flowering Flag)**

	Large Pkt.	Pkt.
Kaempferi (Japanese Iris). Hardy perennial; very showy; blooms the second year from seed; mixed colors .....oz., 50c.	\$0.20	\$0.05

JOB'S TEARS (See Grasses, Page 71)**KENILWORTH IVY (Linaria Cymbalaria)**

A charming, neat trailing plant, for baskets, vases, pots, etc.; flowers violetoz., 50c.

KOCHIA (Summer Cypress or Mexican Fire Bush)

Trichophylla. An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feetoz., 40c.

KUDZU VINE (See Pueraria)**LANTANA**

Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble Verbenas; plants grow erect and remain in bloom all summer.

	Large Pkt.	Pkt.
Dwarf Mixed. 10 inches high; all colors .....oz., 50c.	\$0.20	\$0.10
Choice Tall Mixed. 2 to 3 feet high .....oz., 50c.	.20	.10

LARKSPUR (Annual)

Splendid annuals of easy culture; seed sown early in spring will produce blooming plants by July; graceful fern-like foliage and slender spikes with double rosette flowers; fine for cutting or garden decoration.

DWARF DOUBLE ROCKET

Mixed. A compact bushy plant with several Oz. Large Pkt. Pkt. spikes of double flowers; height, 1 foot \$0.35 \$0.20 \$0.05

GIANT HYACINTH FLOWERED

The flowers are large, very double and resemble Hyacinths; 1½ feet.

	Oz.	Large Pkt.	Pkt.
Mixed Colors .....oz., 50c.	.75	.20	.05

TALL DOUBLE STOCK FLOWERED

Plants branch freely with long spikes of double flowers; height, 2½ feet.

	Oz.	Large Pkt.	Pkt.
Dark Blue .....oz., 50c.	\$0.75	\$0.20	\$0.10
Shell Pink .....oz., 50c.	.75	.20	.10
Sky Blue .....oz., 50c.	.75	.20	.10
White .....oz., 50c.	.75	.20	.10
Mixed. See colors .....oz., 50c.	.60	.20	.05

Ask for Cultural Leaflet No. 216 on the growing of Larkspur.
For Perennial Larkspur, see Delphinium, page 68

**LATHYRUS LATIFOLIUS**

(Everlasting or Perennial Pea)

Showy hardy perennial climber; fine for covering walls, stumps, fences, etc. Free flowering, resembling Sweet Peas in growth, foliage and flowers; excellent for cutting.

	Oz.	Large Pkt.	Pkt.
Crimson. Brilliant	\$0.60	\$0.20	\$0.10
Pink Beauty. Bright rosy-pink	1.00	.25	.10
White .....	.90	.20	.10
Choice Mixed. All colors .....	.65	.20	.05

LAVATERA

Splendens Rosea. A compact shrubby-like annual plant with glossy foliage and bright pink mallow-like flowers; splendid for cutting and decorative work; easily raised from seed

\$0.25 \$0.10

LAVENDER (Lavendula Vera)

Well-known hardy perennial, bearing long spikes of fragrant blue flowers; 18 inches

.25 .05

LEPTOSYNE

Maritima. Free flowering annual, blooming in six weeks after sowing; large, single yellow flowers; excellent for cutting

.40 .10

LILY OF THE VALLEY (Convallaria Majalis)

Lovely plants, bearing pure white, fragrant bell-shaped flowers early in spring

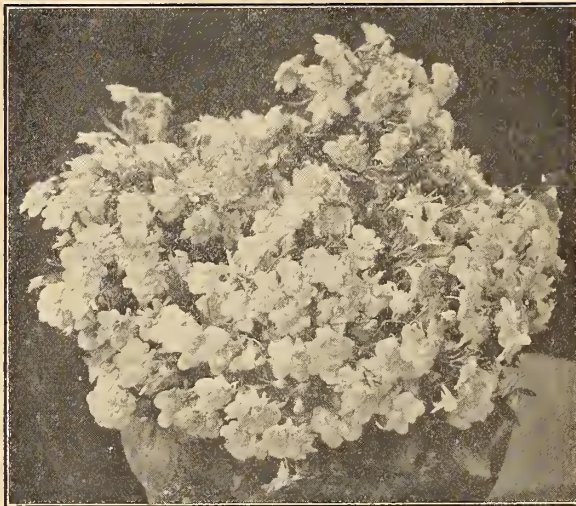
Large Pkt. Pkt.

\$0.40 \$0.10

LINARIA (See Kenilworth Ivy)**LINUM (Scarlet Flax)**

Grandiflorum Rubrum. Ideal for bedding; dwarf and compact, with light green foliage and bright scarlet flowers; annual; 1 foot

.20 .05

*Lobelia, Crystal Palace Compacta***LOBELIA**

No garden is complete without an edging of blue Lobelia, and for a long season of bloom there is nothing that can take its place; also desirable for pots, hanging baskets, etc.

	Large Pkt.	Pkt.
Barnard's Perpetual. Deep blue with white eye; trailing	\$0.40	\$0.10
Crystal Palace Compacta. Very compact, deep blue, the best for edging .....	.40	.10
Crystal Palace Speciosa. Of trailing habit, deep blue, fine for vases .....	.25	.05
Emperor William. Flowers sky blue, plants very compact .....	.40	.10
Gracilis. Of trailing habit, light blue .....	.20	.05
Sapphire. A beautiful trailing variety; with large flowers; color, deep blue with large and clearly defined white eye .....	.50	.20
White Gem. Very compact, snow-white flowers....	.40	.10
Mixed. All colors .....	.25	.05
Cardinalis (Cardinal Flower). Hardy perennial; tall spikes of bright scarlet flowers, very showy .....	.50	.10

*Annual Lupinus***LUPINUS (Lupin)****ANNUAL VARIETIES**

Very popular, free flowering, easily grown plants of branching habit, with long spikes of pea-shaped flowers; excellent for cutting; will bloom in six weeks after sowing; 2 feet.

	Oz.	Large Pkt.	Pkt.
Blue	\$0.50	\$0.20	\$0.05
Pink .....	.50	.20	.05
Scarlet, White Tipped .....	.50	.20	.05
White .....	.50	.20	.05
Yellow .....	.60	.20	.10
Mixed, All Colors .....	.40	.20	.05

PERENNIAL VARIETIES

Graceful spikes with pea-shaped flowers; excellent for cutting; May and June; 2 to 3 feet.

	Large Pkt.	Pkt.
Polyphyllus Blue	\$0.20	\$0.05
Polyphyllus Roseus. Pink .....	.25	.10
Polyphyllus Somerset (New). Yellow .....	.40	.15
Polyphyllus White .....	.20	.05
Polyphyllus Mixed	oz., 40c.	.20 .05

Ask for Cultural Leaflet No. 217 on the culture of Lupinus.

LYCHNIS

One of the finest hardy perennials; of easy culture; excellent for massing in large beds or borders.

	Large Pkt.	Pkt.
Arkwrightii (New). A cross between <i>Lychnis Chalcedonica</i> and <i>Haageana</i> . Many shades in orange, pink, cream, scarlet, to dark maroon in mixture		\$0.25
Chalcedonica (Rose Campion). Fine scarlet cross-like flowers; 2 feet; July .....	.20	.05
Haageana. Brilliant, large, orange, scarlet, pink and crimson flowers, mixed; 1 foot; July .....	.50	.10

LYTHRUM

Roseum Superbum (Rose Loose Strife). A pretty hardy perennial; plants grow 3 feet high and produce spikes of rosy flowers from July to September. .20 .10

See pages 52 to 55 for valuable Novelties and Specialties in Flower Seeds.



Marigold—El Dorado

MARIGOLD (Tagetes)

These are old favorite free flowering annuals with rich and showy flowers, blooming all summer. The Tall African varieties are best for garden and cutting, while the Dwarf French varieties are better suited for bedding purposes.

AFRICAN VARIETIES

These are mostly of tall growth, from 2½ to 3 feet high.

	Large Pkt.	Pkt.
El Dorado. Imbricated flowers of immense size, in all shades of yellow.....oz., 50c.	\$0.20	\$0.05
Lemon Queen. Soft lemon yellow.....oz., 75c.	.20	.10
Orange Beauty (New). Large single flowers, the petals of which are beautifully frilled.....	.25	.10
Orange Prince. Large flowers, of a deep golden orange color.....oz., 75c.	.20	.10
Pride of the Garden. Dwarf, 18 inches, golden yellow.....oz., 60c.	.20	.10
Large African. Tall double mixed.....oz., 50c.	.20	.05
Imported Collection, 6 Varieties.....	.30	

FRENCH VARIETIES

Dwarf Gold Striped. Double, brownish red, striped golden yellow; 1 foot.....oz., 75c.	.20	.10
Legion of Honor (Little Brownie). Single flowers; golden yellow with a large spot of crimson velvet; 6 inches.....oz., 50c.	.20	.05
Liliput. Dwarf; excellent for pots; small double flowers; mixed colors; 4 inches.....oz., 90c.	.25	.10
Dwarf French Mixed. All colors; 1 foot.....oz., 50c.	.20	.05
Imported Collection, 6 Varieties.....	.30	

See also CALENDULA and TAGETES

MATRICARIA (See Feverfew)

MATTHIOLA

	Large Pkt.	Pkt.
Bicornis (Evening Scented Stock). A desirable annual, on account of its delightful fragrance during the evening; color, purplish lilac.....	\$0.20	\$0.05

MAURANDIA

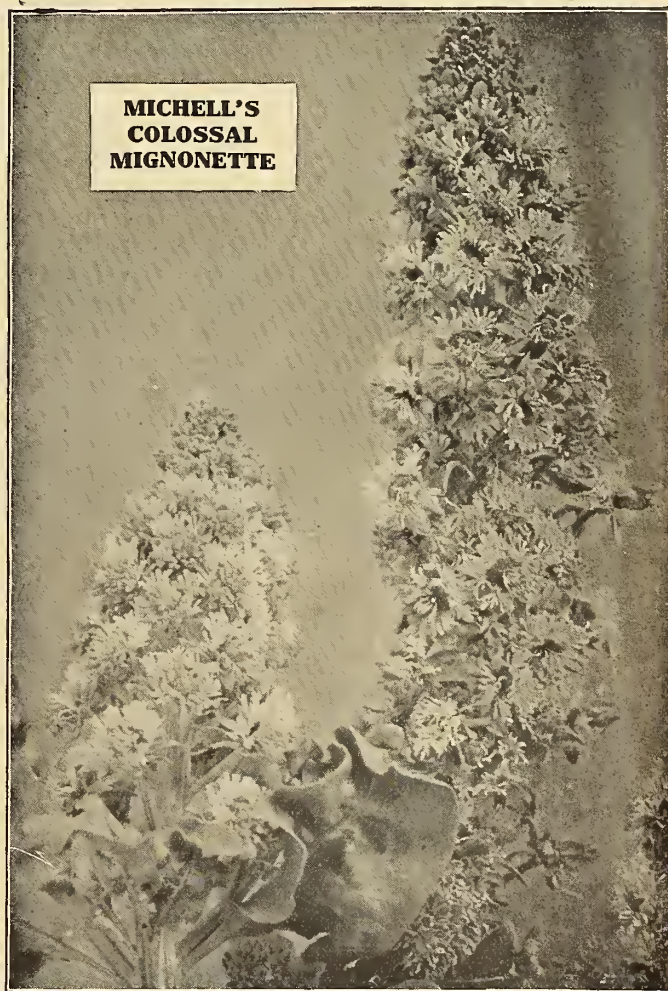
A beautiful climber of rapid growth for baskets, vases and trellises; produces an abundance of tube-shaped flowers; 10 feet.

Barclayana. Purple.....	\$0.40	\$0.10
Choice Mixed.....	.30	.10

MESEMBRYANTHEUM

Dwarf trailing annuals for rockeries, edgings and vases.

	Large Pkt.	Pkt.
Cordifolium Variegatum. Variegated foliage; rose-colored flowers.....	\$0.50	\$0.10
Crystallinum (Ice Plant). Singular icy foliage; flowers white.....	.20	.05
Tricolor (Wax Plant). Various colors.....	.25	.05



MIGNONETTE

Valuable for cutting on account of its fragrance; sow in succession during the whole summer; may also be forced in green-houses during winter.

	Large Pkt.	Pkt.
Allen's Defiance. Spikes invariably attain a height of 12 to 15 inches; fragrant.....oz., 60c.	\$0.20	\$0.10
Bismarck. Compact plant of strong growth, with stout spikes of large flowers.....oz., 90c.	.25	.10
Golden Machet. Large golden yellow.....oz., 50c.	.20	.10
Goliath. Giant spikes of brilliant red flowers.....	.20	.10
Machet. Large reddish tinted, sweet scented flowers.....oz., 50c.	.20	.10
Michell's Colossal. Foliage, stalks and flowers are very robust. The flower-spikes often average 18 to 24 inches; extremely fragrant.....	.50	.15
Miles' Spiral. Flowers whitish.....oz., 40c.	.20	.05
Parson's White. Fragrant white flowers.....oz., 40c.	.20	.05
Sutton's Giant. Reddish buff, original pkts.....	.40	
Sweet Scented. The popular garden sort.....oz., 20c.	.05	
Collection, 8 varieties, our selection.....	.50	

Ask for Cultural Leaflet No. 204 on the growing of Mignonette.

*Marvel of Peru (Four O'Clocks)***MARVEL OF PERU (Four O'clock)**

Choice Mixed. Bushy plants of easy culture, producing hundreds of flowers during the entire summer; very showy in the garden; 2 feet Oz. Pkt. \$0.30 \$0.05

MIMULUS

Showy, profuse flowering plants; fine for greenhouse or moist, shady situations; half hardy perennials, blooming the first year if sown early. Large Pkt. Pkt.

Moschatus (Musk Plant). Fine for hanging baskets; yellow flowers, fragrant foliage; 6 inches.....\$0.40 \$0.05
Tigrinus (Monkey Flower). Fine mixed tigered and spotted varieties; 1 foot40 .05

MOMORDICA. See Balsam Apple

MOONFLOWER. See Ipomoea

MORNING GLORY. See Convolvulus

MOURNING BRIDE. See Scabiosa

*Nicotiana (Flowering Tobacco)**Myosotis-Alpestris Victoria***MYOSOTIS (Forget-Me-Not)**

Beautiful, half hardy perennials, blooming the first year from seed; succeeding best in moist, shady situations. Sown in the spring they will flower in the fall; if wanted for early spring flowering, seed should be sown in frames in July or August. Large Pkt. Pkt.

Alpestris Victoria. Of bushy habit; bearing large bright blue flowers; very fine; 6 inches.....\$0.30 \$0.10
Dissitiflora. Deep green foliage and attractive deep blue flowers50 .10
Eliza Fanrobert. Of strong growth, with clusters of large, bright blue flowers; 10 inches30 .10
Grandiflora Alba. Large white flowers; 8 inches.... .30 .10
Grandiflora Rosea. Large pink flowers; 8 inches.... .30 .10
Palustris. The true Forget-Me-Not; bright blue flowers; 8 inches50 .10
Palustris Semperflorens. Dwarf; blooms the entire season; deep blue50 .10
Royal Blue. This variety belongs to the upright pillar-shaped section; large deep blue flowers; 12 inches .40 .10
Ruth Fischer. Plant of neat, compact habit; flowers extra large and of a lovely sky blue65 .25
Choice Mixed oz., 90c. .20 .05

MUSA ENSETE (Abyssinian Banana)

A handsome tropical plant for planting individually or for the centre of beds; foliage broad and massive and very effective; 10 to 15 feet. Seeds should be started in hotbed or bottom heat in greenhouse. Per 10 seeds, 30c.; 60c. per 25 seeds.

NASTURTIUM. See page 77**NEMESIA**

Large Pkt. Pkt.

Strumosa Suttoni. A splendid annual, with large flowers varying in color from creamy white to deep orange and carmine; fine for bedding; 18 inches..\$0.50 \$0.15

NICOTIANA (Flowering Tobacco)

Extremely showy annual plants, giving a continuous display of brilliant flowers through the summer and autumn; plants are of branching habit; 2 to 3 feet high. Large Pkt. Pkt.

Affinis. Fragrant, tube-shaped, pure white flowers.\$0.20 \$0.05
Affinis Hybrida. Large, sweet scented flowers; colors range through creamy white and rose tints to bright red and crimson in mixture20 .10
Sanderæ. An excellent variety, growing about 2 feet high; flowers of the most handsome carmine-red color; very fragrant20 .10
Sylvestris. A very ornamental variety with deep green leaves, and large, pure white fragrant drooping flowers; 4 feet20 .10

NIEREMBERGIA

Frutescens. Half hardy perennial; excellent for greenhouse, baskets, vases, or bedding out; flowers white tinted with lilac; 1 foot25 .10

Michell's Giant Flowering Nasturtiums

77

Nasturtiums are among the best known and most popular of hardy annuals, and within the past few years have been greatly improved in size, as well as in colors and markings. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well-drained soil.

DWARF OR BEDDING

(TOM THUMB)

Of dwarf, compact growth; excellent for borders or for bedding, forming plants about 1 foot high by 1 foot across.

	$\frac{1}{4}$ lb.	Oz.	Pkt.
Aurora. Rich yellow, veined carmine.....	\$0.60	\$0.20	\$0.05
Beauty. Yellow, with scarlet veinings .....	.60	.20	.05
Bronze. Burnished bronze color .....	.60	.20	.05
Chameleon. Produces various colors and markings on the same plant.....	.60	.20	.05
Cloth of Gold. Bright golden yellow leaves and brilliant scarlet flowers .....	.60	.20	.05
Crystal Palace Gem. Sulphur yellow, spotted maroon .....	.60	.20	.05
David Burpee Spencer. Compact plants with emerald-green leaves which are wavy and ruffled; flowers deep scarlet .....	.75	.25	.10
Empress of India. A splendid variety, with dark leaves and crimson flowers .....	.60	.20	.05
Geranium Leaved. Scarlet .....	.75	.25	.10
Golden King. Dark foliage; rich, golden yellow flowers .....	.60	.20	.05
Golden Queen. Foliage and flowers golden yellow .....	.60	.20	.05
King of Tom Thumbs. Dark green foliage; scarlet flowers .....	.60	.20	.05
King Theodore. Dark foliage; flowers crimson maroon .....	.60	.20	.05
Lady Bird. Rich orange yellow, with a red blotch at the base of the petals .....	.60	.20	.05
Pearl. Creamy white .....	.60	.20	.05
Pink. Soft rose color .....	.60	.20	.05
Prince Henry. Cream, spotted and tipped red.	.60	.20	.05
Queen of Tom Thumbs, Crimson. Silver variegated foliage and rich, bright crimson flowers .....	.60	.20	.10
Scarlet. Brilliant .....	.60	.20	.05
Spotted. Rich yellow, spotted crimson .....	.60	.20	.05
Vesuvius. Salmon rose .....	.60	.20	.05
Yellow. Bright shade .....	.60	.20	.05
Choice Mixed. Comprising a large variety of brilliant colors. Lb., \$1.50 .....	.50	.20	.05
Golden Foliage, Mixed. The golden yellow foliage and the flowers of many colors make a beautiful contrast .....	.60	.20	.10
Ivy Leaved Mixed. Ivy-like, deep green foliage; flowers beautifully fringed and of a remarkable range of colors .....	.60	.20	.10
Liliput Mixed. A fine variety of very dwarf and compact growth, and producing in the greatest profusion flowers of many new and beautiful colors .....	.50	.15	.05
Michell's Giant Flowering Mixed Dwarf. This is one of the finest mixtures, composed of the largest and finest named varieties, and cannot be surpassed for brilliancy of color. Per lb., \$2.00 .....	.60	.25	.10
Queen of Tom Thumbs, Mixed. Silver variegated foliage; flowers in a great variety of colors .....	.60	.20	.10

LOBB'S CLIMBING NASTURTIUMS

(Tropaeolum Lobbianum)

These are exceedingly free-flowering and of the most brilliant colors, with neat dark green foliage; excellent for window boxes, vases, hanging baskets and rockeries; also for greenhouses or conservatory during the winter; 8 to 10 feet.

	$\frac{1}{4}$ lb.	Oz.	Pkt.
Asa Gray. Yellowish white	\$0.60	\$0.20	\$0.05
Black Prince. Dark, velvety crimson.....	.60	.20	.05
Brilliant. Glowing scarlet flowers .....	.60	.20	.05
Golden Queen. Golden yellow .....	.60	.20	.05
Roi des Noirs. Dark garnet red .....	.60	.20	.05
Rudolph Virchow. Soft rosy pink .....	.60	.20	.05
Spitfire. Brilliant scarlet .....	.60	.20	.05
Choice Mixed. Lobb's varieties, all colors. Per lb., \$1.25 .....	.50	.20	.05
Collection. One packet each of above 7 Lobb's varieties for 30c.			



TALL OR CLIMBING NASTURTIUMS

For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; height, 8 to 10 feet.

	$\frac{1}{4}$ lb.	Oz.	Pkt.
Chameleon. Produces different colored flowers on the same plant	\$0.60	\$0.20	\$0.05
Crimson. Rich and velvety .....	.60	.20	.05
Hemisphaericum. Orange-salmon and scarlet..	.60	.20	.05
Jupiter. Color, pure deep yellow, with crinkled petals; of immense size .....	.60	.20	.05
King Theodore. Dark foliage; flowers crimson maroon .....	.60	.20	.05
Orange. A deep shade .....	.60	.20	.05
Prince Henry. Cream, spotted and tipped red .....	.60	.20	.05
Pearl. Creamy white .....	.60	.20	.05
Pink. Soft rose color .....	.60	.20	.05
Scarlet. Very bright .....	.60	.20	.05
Vesuvius. Salmon pink .....	.60	.20	.05
Yellow. .....	.60	.20	.05
Choice Mixed. Lb., \$1.25 .....	.40	.15	.05
Hybrids of Mad. Gunther. A special strain; all shades and colors. Per lb., \$1.50 .....	.50	.15	.05
Ivy Leaved Mixed. Ivy-like, deep green foliage; flowers beautifully fringed .....	.50	.15	.10
Michell's Giant Flowering Mixed Tall. This mixture cannot be excelled for large size and beautiful colors of the flowers. Composed of the largest and finest varieties. Per lb., \$1.75..	.50	.25	.10
Queen of Talls, Mixed. Silver variegated foliage, flowers of all colors .....	.60	.20	.10

MICHELL'S COLLECTIONS OF NASTURTIUMS

One packet each	12 Dwarf Sorts	\$0.50
One packet each	6 Dwarf Sorts .....	.25
One ounce each	12 Dwarf Sorts	1.50
One ounce each	6 Dwarf Sorts .....	.90
One packet each	12 Tall Sorts .....	.50
One packet each	6 Tall Sorts .....	.25
One ounce each	12 Tall Sorts	1.50
One ounce each	6 Tall Sorts .....	.90

Ask for Cultural Leaflet No. 219 on the growing of Nasturtiums.


Nigella—Miss Jekyll

NIGELLA (Love in a Mist)

	Large	Pkt.	Pkt.
<i>Damascena</i> . Showy hardy annual of compact growth, with finely cut foliage and curious flowers, blue and white mixed; 1 foot	\$0.20	\$0.05	
<i>Miss Jekyll</i> . A lovely variety, with long stems, and bearing a profusion of beautiful flowers of a clear cornflower blue; excellent for cutting; 18 inches..	.20	.10	

OENOTHERA (Evening Primrose)

<i>Mixed</i> . Beautiful annual of easy culture, producing freely large, single Poppy-like flowers20	.05	
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MICHELL'S PANSIES

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which pansies can be planted. If started in the house from February till April pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the fall; sown in frames during July and August and transplanted later gives us the main crop of flowers the following spring.

PANSIES IN MIXTURES

	Large	Pkt.	Pkt.
<i>Michell's Giant Exhibition</i> . A blending of our own containing only the very choicest secured from the leading Pansy specialists; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Per oz., \$10.00; \$3.00 per 1/4 oz.; per 1/8 oz., \$1.75	\$0.65	\$0.25	
<i>Bugnot, Odier and Cassier</i> . A superb mixture of giant blotched varieties	1/8 oz., \$1.00 .65	.25	
<i>Giant Trimardeau</i> . Very large flowering; all colors mixed	1/4 oz., 75c. .40	.10	
<i>Mad. Perret</i> . Early flowering, fragrant, especially rich in red shades	1/4 oz., \$1.25 .65	.25	
<i>Masterpiece (Frisled Pansy)</i> . Flowers beautifully curled or waved	1/8 oz., \$1.00 .65	.25	
<i>Odier or Blotched</i> . Beautiful strain, 1/8 oz., \$1.00 .....	.65	.15	
<i>Parisian Large Stained</i> . Choicest colors, 1/8 oz., \$1.00 .....	.65	.15	
<i>Triumph of the Giants Mixed</i> . Immense flowers of great brilliancy and richness of colors, including many new and rare shades. Per oz., \$11.00; \$3.25 per 1/4 oz.; per 1/8 oz., \$2.00 .....	.75	.50	
<i>Finest English Mixed</i>	oz., \$1.50 .30	.10	
<i>Very Fine Mixed</i>	oz., \$1.25 .25	.05	

GIANT PANSIES—Separate Colors

A strain secured from the leading pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture.

	1/4 Oz.	Large Pkt.	Pkt.
<i>Giant Prize, Azure Blue</i> . Violet blue.....	\$1.25	\$0.50	\$0.15
<i>Giant Prize, Black Blue</i> . Dark velvety....	1.25	.50	.15
<i>Giant Prize, Emperor William</i> . Ultramarine blue	1.25	.50	.15
<i>Giant Prize, Hortensia Red</i> . Scarlet	1.25	.50	.15
<i>Giant Prize, King of the Blacks</i>	1.25	.50	.15
<i>Giant Prize, Lord Beaconsfield</i> . Violet	1.25	.50	.15
<i>Giant Prize, Peacock</i> . Upper petals blue, lower petals deep claret with white margin	1.25	.50	.15
<i>Giant Prize, Snow Queen</i> . Pure white....	1.25	.50	.15
<i>Giant Prize, Striped and Mottled</i>	1.25	.50	.15
<i>Giant Prize, White</i> , with dark eye.....	1.25	.50	.15
<i>Giant Prize, Pure Yellow</i>	1.25	.50	.15
<i>Giant Prize, Yellow</i> , with dark eye.....	1.25	.50	.15

SPECIAL OFFER. We will send 6 packets of any of the above varieties of Giant Pansies for 75c.; or the entire 12 pkts. for \$1.40.

PANSIES—Regular Sorts in Separate Colors

	Oz.	Large Pkt.	Pkt.
<i>Belgian Striped</i> . Showy	\$2.50	\$0.30	\$0.10
<i>Emperor William</i> . Ultramarine blue	2.50	.30	.10
<i>Faust (King of the Blacks)</i>	2.50	.30	.10
<i>Gold Margined</i> . Purple, golden edge	2.50	.30	.10
<i>Havana Brown</i>	2.50	.30	.10
<i>Lord Beaconsfield</i> . Violet	2.50	.30	.10
<i>Mahogany Colored</i>	2.50	.30	.10
<i>Silver Edged</i> . Purple, silver edge	2.50	.30	.10
<i>Snow Queen</i> . Pure white	2.50	.30	.10
<i>White with dark eye</i>	2.50	.30	.10
<i>Yellow Gem</i> . Pure yellow	2.50	.30	.10
<i>Yellow with dark eye</i>	2.50	.30	.10

SPECIAL OFFER. We will send 6 packets of any of the above varieties of regular sorts of Pansies for 50c.; or the entire 12 packets for 90c.

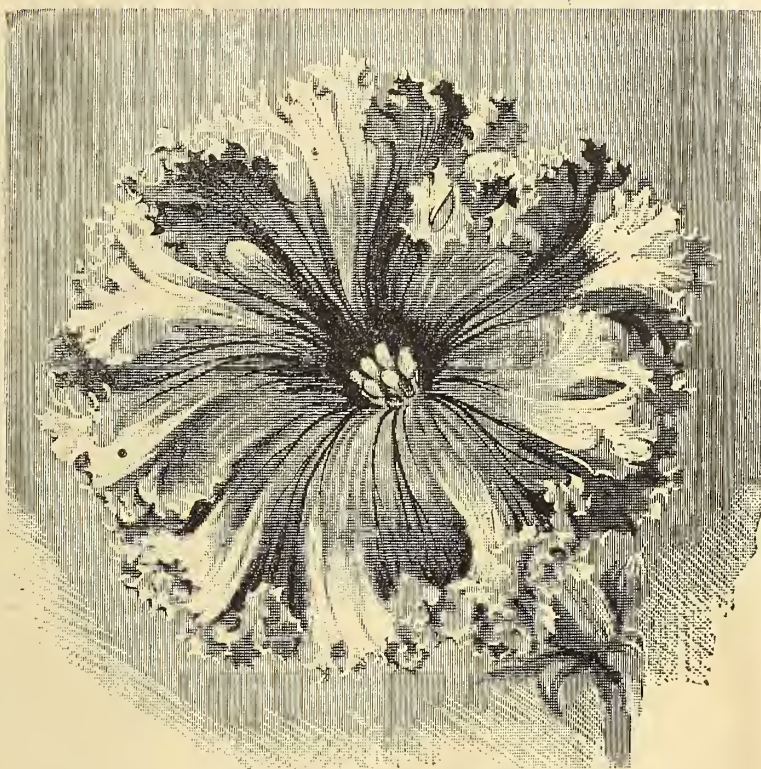
Ask for Cultural Leaflet No. 209 on the Growing of Pansies


Pansy—Michell's Giant Exhibition

There is no more deserving flower than the Petunia. Quick to bloom in the early summer, it gives us a bright display long after the first frost has wrought its damage; seeds must be carefully handled as they are extremely fine, but the plants are of easiest culture. We call especial attention to our Large Flowering strains, which for size and brilliancy of coloring cannot be surpassed.

SINGLE FLOWERED PETUNIAS

	Large Pkt.	Pkt.
California Giants. One of the largest varieties; bright and desirable colors; strong robust plants	\$0.65	\$0.25
Dwarf Inimitable. Of dwarf, compact habit; profuse bloomer; flowers striped.....	.40	.10
Dwarf Large Flowering Fringed. Compact plants, growing about 8 inches high, with large fringed flowers of many colors and shades	3 pkts., 80c.	.30
Enchantress. A dwarf variety, almost covered with flowers from early summer until killed by frost; the flowers are of many shades and colors .....	.40	.10
Grandiflora Fringed. Each petal of these giant flowers is delicately fringed, thus giving the flower a distinct appearance; all colors; mixed .....	.65	.20
Ideal. A dwarf, large flowered strain, with flowers of varied and exquisite coloring .....	.75c. per 2 pkts	.40
Monstrosus (Michell's). Extra large flowers, many of which are elegantly fringed; the colorings, marking, veinings, etc., are superb .....	.75	.25
Rosy Morn. Dwarf, bushy plants bearing in great profusion brilliant rose-colored flowers with a white throat; excellent for pot culture .....	.40	.15
Ruffled Giants. Immense large flowers, exquisitely ruffled and frilled .....	.65	.25



Petunia-Grandiflora Fringed

DOUBLE FLOWERING PETUNIAS

As the seed of the double varieties is obtained by hybridization, it will not produce all double flowers, but the singles will be unusually fine. The weaker seedlings should receive great care, as they produce the finest double flowers.

	Large Pkt.	Pkt.
Double Fringed White. Extra large, pure white, fringed flowers	\$0.75	\$0.25
Double Fringed Mixed. Selected and hybridized with the greatest care; flowers of large size, beautifully fringed and of choicest colors. Per 500 seeds, \$1.00 .....		.25



Petunia-Ideal

	Large Pkt.	Pkt.
Snowball. A fine, compact sort with pure white flowers	\$0.40	\$0.10
Star (Howard's). A beautiful variety; produces a profusion of crimson-maroon flowers, with a distinct five-pointed white star .....	.40	.15
Choice Mixed. Striped and blotched.....oz., \$1.50 .....	.30	.10
Fine Mixed. All colors	oz., 90c.	.05
Imported Collection. Single fringed. 6 varieties....		.75



Giant Flowering Double Petunias

Ask for Cultural Leaflet No. 205 on the growing of Petunias.



PARIS DAISY. See Chrysanthemum

PASSIFLORA (Passion Flower)

Large Pkt. Pkt.

Mixed. Ornamental climbing plants for the greenhouse or the garden, producing showy flowers in profusion\$0.25 \$0.10

PENNISETUM, ORNAMENTAL GRASS.

(See page 71)

PAPAVER. See Poppy.

PENTSTEMON (Beard Tongue)

A beautiful perennial plant producing freely large spikes of handsome tubular flowers in almost every shade and color.

Large Pkt. Pkt.

Barbatus Torreyi. Spikes of brilliant coral red, very effective; June to August; 3 to 4 feet\$0.30 \$0.10

Sensation. Plants producing large spikes of gloxinia-like flowers of the most brilliant and varied colors; will bloom the first season if sown early; 2 feet; requires protection50 .15

Mixed. Produces large spikes of handsome flowers; 3 feet25 .05

PERILLA

Nankinensis. Ornamental annual plants with dark purple foliage; 2 feet..... .20 .05

PETUNIA. See page 79

PHLOX DRUMMONDII

One of our finest hardy annuals, and one of the easiest to grow, and for bedding or massing nothing can surpass them for their brilliancy and richness of color and profusion of bloom, which continues until frost.

DWARF OR COMPACT VARIETIES

These grow to the height of 6 to 8 inches, and produce dense masses of bloom all summer. Excellent for bedding or edging.

Large Pkt. Pkt.

Cecily, Mixed. Large flowering, dwarf compact variety, of many beautiful colors and shades\$0.40 \$0.10

Fire Ball. Brilliant scarlet30 .10

Pink30 .10

Snowball. Pure white30 .10

Choice Mixed 1/4 oz., 60c. .30 .10

GRANDIFLORA VARIETIES

An improved strain with immense trusses of large, brilliant flowers; 12 to 15 inches.

Large Pkt. Pkt.

Alba. Pure white\$0.30 \$0.10

Coccinea. Brilliant scarlet30 .10

Pink30 .10

Stellata Splendens. Scarlet with white eye30 .10

Choice Mixed. All colorsoz., \$1.00 .25 .10

Imported Collection. 12 varieties75

VARIOUS PHLOXES

Double Mixed. Flowers with several rows of petals; fine for cutting\$0.40 \$0.10

Fine Mixed. Free flowering; all colors....oz., 90c. .20 .05

Star of Quedlinburg. Beautiful star-shaped flowers of various colors, with long pointed petals40 .10

Ask for Cultural Leaflet No. 218 on the growing of Phlox Drummondii.

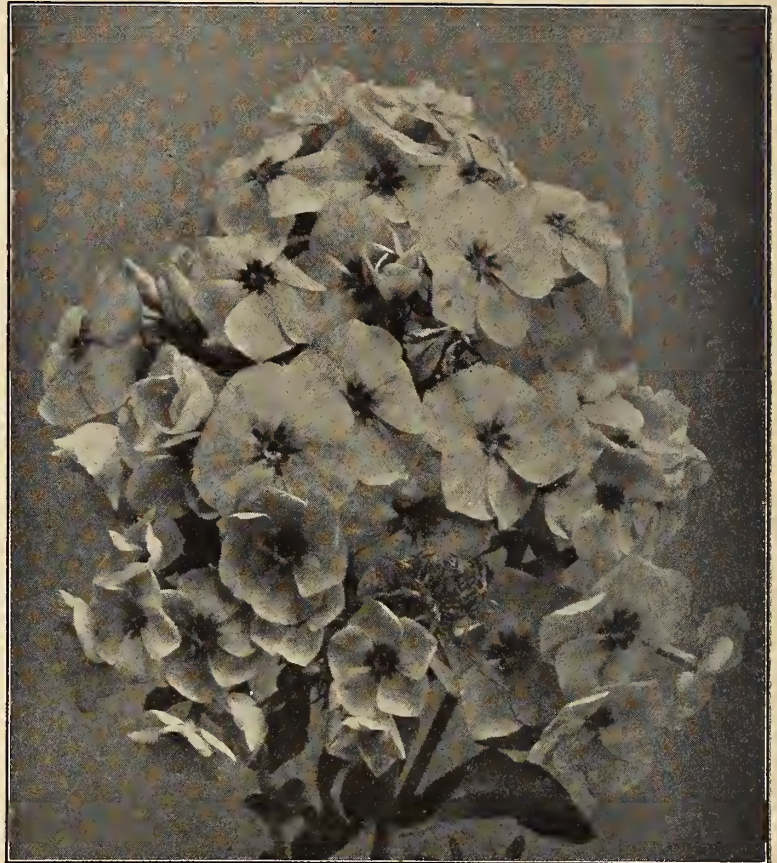
Testimonial

Rockland, Me.,
June 22, 1918.

Please find enclosed check for ———, for which please send me the following seeds. The seeds I have got from you this year came up in fine shape. I have bought seeds for 35 years, and I will say your seeds are the best I ever bought.

Yours respectfully,

E. A. D.



Phlox Drummondii, Grandiflora

HARDY PHLOX

Large Pkt. Pkt.

Decussata. For a gorgeous show these are the most satisfactory of all perennials; plants 2 feet high; flowers in all bright colors; seed should be sown early in spring or as soon as gathered in the autumn; mixed colors 1/4 oz., 60c. .40 .10

FOR HARDY PHLOX PLANTS

See Pages 101 and 112

PHYSOSTEGIA (False Dragon Head)

One of the most beautiful of our summer flowering perennial border plants, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August.

Large Pkt. Pkt.

Virginica. Pink\$0.25 \$0.10

Virginica Alba. White30 .10

PINKS—See Carnations and Dianthus

PLATYCODON (Chinese Bell Flower)

A very desirable perennial, of erect bushy growth; very handsome for garden decoration.

Large Pkt. Pkt.

Grandiflorum, Blue. Hardy perennial; large bell-shaped flowers; 2 to 3 feet\$0.30 \$0.05

Grandiflorum, White30 .05

Japonicus Fl. Pl. (Double Japanese Bell Flower).

Large, glossy, deep blue flowers50 .15

POLYANTHUS (Primula Elatior)

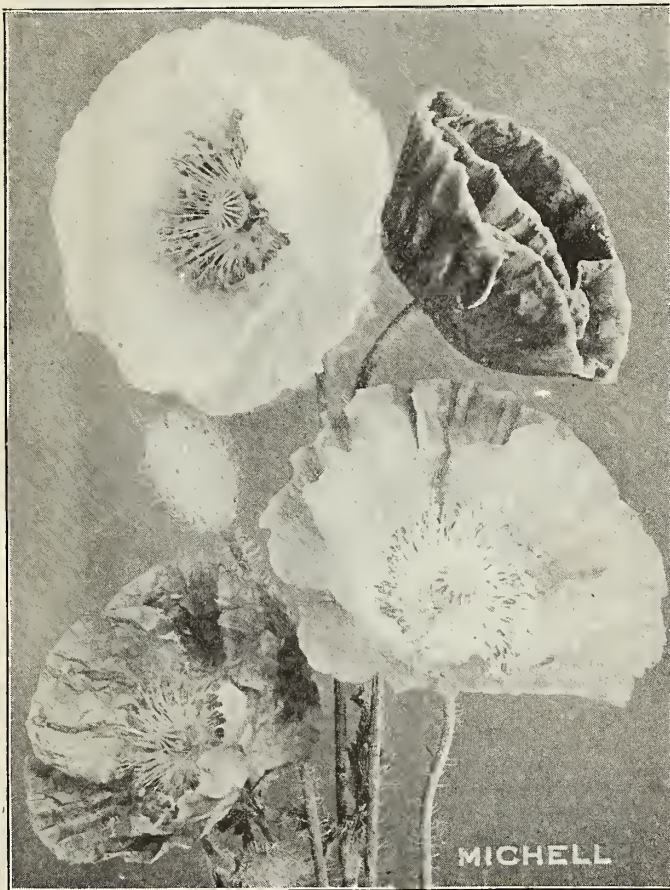
Beautiful spring flowering hardy perennials, either for pot culture or for the garden; succeeds best in partial shade; 9 inches.

Large Pkt. Pkt.

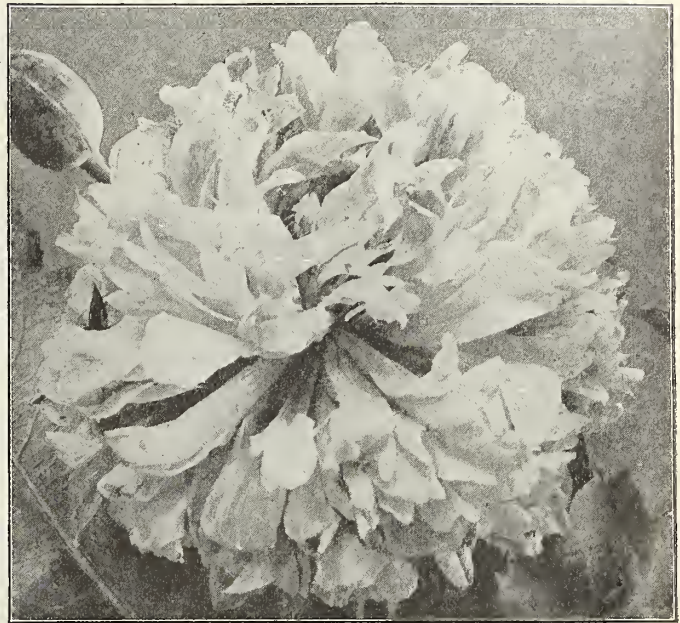
Gold Laced. Flowers of brilliant colors, with distinct yellow edge\$0.50 \$0.15

Double Mixed. Beautiful colors65 .15

English Mixed. The best single30 .10



Shirley Poppies



Double Poppy

DOUBLE ANNUAL POPPIES

	Oz.	Large Pkt.	Pkt.
Carnation Flowered. Double fringed, mixed...	\$0.25		\$0.05
Crimson King. Flowers perfectly round...	.40	\$0.20	.05
Fairy Blush. Flowers white, elegantly fringed and tipped with rose; 2 feet...	.40	.20	.05
Mikado (Striped Japanese). Double fringed flowers, white striped with crimson; 18 in...	.40	.20	.05
Paeony Flowered Scarlet	.40	.20	.05
Paeony Flowered White	.40	.20	.05
Paeony Flowered Yellow. Very fine	.40	.20	.05
Paeony Flowered Mixed. Large, double flowers, resembling a Paeony; 2 feet...	.25		.05
Double Shirley. Large flowers, mixed...	.40	.20	.05
Imported Collection. Double Paeony flowered; 6 varieties			.30

POPPY, ANNUAL VARIETIES

One of our favorite and most popular flowers, producing during the blooming period, a profusion of brilliant colors and shades. Seeds should be sown where they are to remain, as they do not stand transplanting. Several sowings may be made at intervals to have a succession of bloom.

SINGLE ANNUAL POPPIES

	Oz.	Large Pkt.	Pkt.
Admiral. A single paeony-flowered variety with large flowers of pure white with broad band of scarlet at edge of each petal	\$0.40	\$0.20	\$0.05
Danebrog. Flowers brilliant scarlet with a silvery-white spot on each petal; 2 feet	.35	.20	.05
King Edward. Deep scarlet, shaded crimson	.50	.20	.10
Maid of the Mist. Large white flowers beautifully fringed; 3 to 4 feet	.50	.20	.10
Mitchell's Shirley. An improved strain of this lovely race of poppies varying in color from pure white and delicate pink to rosy carmine and deep crimson, in mixture. A bed of these poppies produces a gorgeous effect	.40	.20	.05
Miss Sherwood. Satiny white with upper half of corolla chamois rose	.40	.20	.10
Tulip (Papaver Glaucum). A beautiful poppy, resembling a large tulip; color a dazzling scarlet; 1 foot	.50	.20	.10
Umbrosum. Rich vermilion with a deep shining black spot on each petal; 2 feet	.40	.20	.05
Collection. One packet each above 8 varieties			.50

PERENNIAL POPPIES

	Large Pkt.	Pkt.
Giant Scarlet (Bracteatum). Large flowers	\$0.20	\$0.10
Iceland (Nudicaule), White	.30	.10
" Yellow	.30	.10
" Double Mixed. 1 foot	.30	.10
" Single Mixed. Colors range from white and yellow to deep orange scarlet; useful for cutting; if sown early they will bloom the first year; 12 inches (1/4 oz., 40c.)	.20	.10
Orientele. Extra large flowers; deep scarlet (oz., 75c.)	.20	.10
Orientele, Beauty of Livermere. Crimson with black blotch	.50	.10
" Mrs. Perry. Rich salmon pink	.50	.10
" Hybrids. Beautiful flowers of large size; mixed colors (1/4 oz., 50c.)	.30	.10



Oriental Poppy



Single Portulaca

PORTULACA (Sun Plant)

Dwarf-growing plants of easy culture; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors.

	Large pkt.	Pkt.
Double Mixed. All colors 1/4 oz., 60c.	\$0.40	\$0.10
Single Mixed. All colors 1/2 oz., 50c.	.20	.05
Imported Collection. 6 Double varieties .....	.50	
Imported Collection. 8 Single varieties .....	.30	

PRIMULA**FRINGED CHINESE PRIMROSE**

These are among our finest winter and spring blooming pot plants. Our strains have won many first prizes.

	Large pkt.	Pkt.
Alba Magnifica. Large pure white flowers.....	\$0.75	\$0.40
Chiswick Red. Brilliant red .....	.75	.40
Duchess. Large; white with zone of rosy carmine, yellow eye .....	.75	.40
Holborn Blue. A beautiful shade .....	.75	.40
Kermesina Splendens. Crimson .....	.75	.40
Pink Pearl (New). Brilliant pink .....	.50	
Rosy Morn. Delicate pink .....	.75	.40
Stellata (Sutton's). Excellent pot plant; mixed..	1.00	
Michell's Prize Mixture. This mixture contains only the finest sorts selected from the best strains .....	.75	.25
Imported Collection. 8 varieties .....	.75	

PRIMULA OBCONICA GIGANTEA

A great improvement over the old type; flowers much larger, and produced in greater abundance.

	Large pkt.	Pkt.
Lilacina. Pale lilac	\$0.65	\$0.20
Rosea. Pink .....	.65	.20
Kermesina. Crimson .....	.65	.20
Alba. White .....	.65	.20
Hybrida Mixed .....	.65	.20

PRIMULA OBCONICA GRANDIFLORA

Compacta. Dwarf, compact plants with dense heads of large rosy lilac flowers	\$0.65	\$0.25
Fimbriata. Flowers fringed; mixed colors .....	.65	.15
Vesuvius. Deep crimson .....	.65	.25
Crispa. Large flowers, which are crisped or curled making them very attractive; color, from apple blossom pink to rose .....	.65	.20

PRIMULA—(Continued)**VARIOUS SORTS**

Large pkt. Pkt.

Buttercup. Yellow flowers; fine for pots....	\$0.65	\$0.25
Kewensis (Verbena Scented Yellow Primrose). Spikes each 12 to 18 inches long; color, soft yellow .....	.65	.25
Malacoides. Resembles Primula Forbesi, but the flowers are much larger; if grown in a greenhouse it will bloom in four to five months after sowing; color, a pretty light lilac .....	.65	.20
Malacoides Alba. Flowers pure white .....	.65	.20
Malacoides Alba Plena. A new variety with double white flowers .....	.75	
Malacoides Rosea. Light rose to carmine rose .....	.65	.20
Malacoides Superba. Deep rosy pink .....	.25	

HARDY PRIMROSES

Excellent early spring blooming plants.

Veris (English Cowslip). Fragrant; mixed colors	\$0.30	\$0.10
Vulgaris (English Primrose). The common hardy English variety; canary yellow.....	.40	.10

PUERARIA THUNBERGIANA

(Kudzu Vine)

One of the fastest growing hardy climbing plants, grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy purple pea-shaped blossoms	\$0.20	\$0.10
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PYRETHRUM**FOLIAGE SORTS FOR BEDDING**

Foliage plants used for edging of ornamental beds; leaves are finely cut.

	Large Pkt.	1 kt.
Aureum (Golden Feather). Bright golden yellow foliage; 8 inches	oz., 60c.	\$0.20 \$0.10
Selaginoides. Golden yellow, fern-like foliage .....	.25	.10

FLOWERING SORTS

Handsome hardy perennial plants for the herbaceous border; flowers showy and excellent for cutting.

	Large Pkt.	Pkt.
Roseum. Flowers bright rose color; July; 2 feet	\$0.50	\$0.10
Uliginosum. Large, single white flowers; September; 3 to 4 ft. ....	.50	.10
Hybridum Single Mixed. Large flowers ranging in color from light pink to deep red, with bright yellow centres; July; 2 feet .....	.40	.10
Hybridum Double Mixed .....	.65	.25



Michell's Prize Chinese Primula



RHODANTHE (Everlasting Flower)

A beautiful annual, for the garden or for pot culture; 1 foot.

	Large Pkt.	Pkt.
Double Pink. Fine for cutting.....	\$0.50	\$0.10
Mixed Colors .....	.20	.05



Ricinus (Castor Oil Bean)

RICINUS (Castor Oil Bean)

These ornamental plants are used with great effect on lawns, as centrepieces in flowering beds such as cannas, etc.

	Oz.	Pkt.
Borboniensis. Beautiful green foliage; 15 feet.....	\$0.25	\$0.05
Cambodgensis. Large leaves, dark bronze-maroon; stalk and stems nearly black; 5 feet.....	.25	.05
Gibsoni. Deep red foliage; 5 feet.....	.25	.05
Sanguineus. Blood-red stalks and clusters of red fruit; 8 feet .....	.25	.05
Zanzibariensis. Enormous leaves, varying in color from light green to purplish red; 12 feet.....	.25	.05
Mixed. All sorts. ....	.20	.05



Salpiglossis, Large Flowered

SALPIGLOSSIS (Painted Tongue)

Easy growing annual plants with large funnel-shaped flowers, beautifully tinted and veined in rich shades; blooms from early summer until late fall; 18 inches.

	Large Pkt.	Pkt.
Crimson and Gold	\$0.40	\$0.10
Primrose .....	.40	.10
Purple and Gold .....	.40	.10
Rose and Gold .....	.40	.10
Scarlet and Gold .....	.40	.10
White and Gold .....	.40	.10
Choice Mixed. All colors. ....	.25	.05
Collection. One packet each above 6 varieties .....		.50
Emperor Mixed. A new type, having only one main stem, and bearing on its summit a large number of beautiful flowers, each one richly veined with gold .....	.30	.10

RUDBECKIA (Coneflower)

	Large Pkt.	Pkt.
Bicolor Superba. Yellow flowers with brown disc in centre; annual; 2 feet	\$0.20	\$0.10
Newmani. Large yellow flowers with black centre; perennial; 3 feet; all summer .....	.40	.10
Purpurea (<i>Giant Purple Coneflower</i>). Hardy perennial; showy reddish purple flowers, with dark brown disc; 3 feet .....	.30	.10



Salvia, Michell's Scarlet Glow

SALVIA (Scarlet Sage)

This popular bedding plant is impossible to be replaced. There is nothing more effective in the midsummer or fall than these bright scarlet flowers. Seeds should be started either in the house or in hotbeds from February till April.

	Large Pkt.	Pkt.
America or Globe of Fire (New). Of dwarf, bushy, compact growth, and very uniform in height and shape. A free and continuous bloomer; large spikes of brilliant scarlet flowers	1/4 oz., \$2.00	\$0.65 \$0.25
Ball of Fire. A dwarf early flowering variety with long spikes of brilliant scarlet flowers; excellent for borders; 18 inches	1/4 oz., \$1.00	.40 .15
Bonfire (<i>Clara Bedman</i>). Compact bushy plants, 2 feet high, producing innumerable erect spikes of the most brilliant scarlet flowers	1/4 oz., \$1.00	.30 .10
King of Carpets. Exceedingly dwarf growing plants with small foliage and an abundance of flowers; color, bright scarlet; very showy and distinct ....		.40 .15
Michell's Scarlet Glow. A new variety of great merit, and an improvement on the Zurich; dwarf and compact; produces a mass of bright scarlet flowers	(1/4 oz., \$1.00)	.40 .15
Ostrich Plume. The habit of the plant is similar to the well-known Splendens variety; the spikes of scarlet flowers resemble a plume .....		.65 .25
Patens. Bright blue flowers of large size; excellent for the border or greenhouse; height, 2 feet .....		.40 .15
Splendens. Tall growing plants with bright scarlet flowers; height, 3 feet	1/4 oz., 60c.	.30 .10
Zurich. One of the earliest flowering of all salvias; plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost; 18 inches	1/8 oz., 75c.	.40 .15
Azurea Grandiflora. A hardy perennial variety producing during August and September spikes of pretty sky-blue flowers; 2 feet .....		.40 .10
Farinacea. A perennial variety, but best treated as an annual, blooming from July to frost from spring sown seed; color, light blue; 2 feet .....		.30 .10

Ask for Cultural Leaflet No. 210 on the growing of Salvia



Scabiosa Grandiflora

SCABIOSA (Mourning Bride)

Magnificent hardy annuals of easy cultivation, blooming freely through the summer and autumn. They are very decorative for beds or borders in the garden and are invaluable for cutting.

GRANDIFLORA VARIETIES

Flowers large and very showy, on stalks fully 2 feet high.

	Large Pkt.	Pkt.
Azure Fairy. Light heavenly blue	\$0.20	\$0.10
Cherry Red .....	.20	.05
Crimson. Rich shade .....	.20	.05
Flesh Pink. Delicate shade .....	.20	.05
King of Blacks. Deep maroon, almost black .....	.20	.05
Pompadour. Deep purple, edged with white .....	.20	.05
Rose. Soft rose color .....	.20	.05
White .....	.20	.05
Collection. One packet each 6 colors .....	.25	
Finest Mixed	oz., 60c. .20	.05
Dwarf Double Mixed. Plants grow but 12 inches high; all colors	oz., 60c. .20	.05

HARDY PERENNIAL VARIETIES

Handsome perennial border plants flowering the entire season.

	Large Pkt.	Pkt.
Caucasica. Soft blue	\$0.50	\$0.10
Caucasica Alba. Pure white .....	.50	.10
Japonica. Lavender blue .....	.20	.10

SCHIZANTHUS (Butterfly Flower)

One of our finest hardy annuals; of easy culture in any good garden soil and bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of Orchids; they are also useful as pot plants for late winter and spring blooming; for this purpose sow in autumn.

	Large Pkt.	Pkt.
Grandiflorus Maximus. Extra large flowers of many colors and shades		\$0.25
Hybridus Grandiflorus. Forms compact pyramidal plants covered with flowers of many shades of orchid-like appearance; 12 inches	\$0.20	.10
Pink Beauty. A beautiful shade of rose pink; a pure self without any markings; very effective as pot plants for grouping .....		.50
Snowflake (New). Of compact habit; flowers pure white, beautifully fringed .....		.30
Wisetonensis. A showy variety, largely used as a pot plant for the house or conservatory; bears a profusion of flowers ranging from white with yellow centre to pink with brown centre; 1½ feet .....	.40	.20
Mixed. Various colors .....	.20	.05

SENSITIVE PLANT (Mimosa)

Pudica. Curious and interesting annual plants with pinkish white flowers; the leaves close or droop when touched or shaken; 18 inches \$0.20 \$0.05

SHAMROCK

True Irish. Small leaved variety \$0.25 \$0.10

SHASTA DAISY. See *Chrysanthemum*

SMILAX

A greenhouse climber of great value for floral decorations; seed should be soaked 24 hours in warm water before sowing; 10 feet oz., 60c. \$0.20 \$0.10

SNAPDRAGON. See *Antirrhinum*

SOLANUM

Ornamental plants for winter decoration; of dwarf branching habit; bears a profusion of bright berries; 1 foot.

Capsicastrum (Jerusalem Cherry). Bright scarlet globular berries; 1 foot oz., 50c. \$0.20 \$0.10
Fra Diavola. Of dwarf branching habit, with leaves and fruit somewhat smaller than the above variety.. .20 .10

STATICE (Sea Lavender)

Latifolia. Splendid hardy perennial plants, either for the border or rockery, producing all summer panicles of small flowers, which can be dried and used for winter bouquets. Large deep-blue flowers; 2 feet. \$0.30 \$0.10

Suworowi. An annual variety, with pink flowers; 1 foot30 .10
Suworowi Alba. Long sprays of pure white flowers. .25

STEVIA

Serrata. Free blooming plants for summer or winter; bearing a profusion of fragrant white flowers; 2 feet \$0.30 \$0.10

STIPA, Ornamental Grass. (See page 71.)

STOKESIA (Cornflower or Stokes' Aster)

Plants grow about 15 to 18 inches high, bearing freely from July to October handsome *Centaurea*-like blossoms, each measuring from 4 to 5 inches across; it is of easy culture, and one of the most desirable plants for the hardy border, and excellent for cutting.

Cyanea. Light blue Large Pkt. Pkt. \$0.30 \$0.10
Cyanea Alba. Pure white30 .10

STRAWFLOWER. See *Helichrysum*.



Schizanthus—Wisetonensis

MICHELL'S "DISTINCTIVE" STOCKS

85

The stock is one of the most popular and highly prized of our cultivated flowers, either for the garden or for pot culture. The charming colors, delightful fragrance and free blooming character, have made them favorite plants for both summer and winter cultivation. The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

MICHELL'S FLOWER MARKET STOCK

This is the ideal stock for either garden, cutting or forcing under glass. Plants branch freely and produce from 10 to 15 heavy spikes of extra large perfect flowers; height, 2 feet.

	Large Pkt.	Pkt.		Large Pkt.	Pkt.
Blood Red	....\$0.40	\$0.15	Rose Pink	....\$0.40	\$0.15
Dark Blue	.... .40	.15	White	..... .40	.15
Flesh Pink	.... .40	.15	Mixed	..... .40	.15
Light Blue	.... .40	.15			

MICHELL'S COLUMN STOCK

Stout plants produce just one giant spike, lined with mammoth flowers; height, 3 feet.

	Large Pkt.	Pkt.
Blood Red	.....\$0.40	\$0.15
Pure White	..... .40	.15

LARGE FLOWERED DWARF TEN-WEEK STOCK

	Large Pkt.	Pkt.		Large Pkt.	Pkt.
Blood Red	....\$0.30	\$0.10	White	.....\$0.30	\$0.10
Light Blue	.... .30	.10	Yellow	..... .30	.10
Pink	..... .30	.10	Mixed	..... .30	.10
Purple	..... .30	.10			

VARIOUS STOCKS

Bismarck. A splendid sort for cutting; immense pure white flowers are regularly lined along a colossal spike (often 30 inches in length, with many side shoots)	\$0.40	\$0.15
Brompton or Winter. Fine for forcing under glass or early summer flowering outdoors .....	.40	.10
Princess Alice (Cut-and-Come-Again). Branching plants with double pure white flowers; fine for cutting.....	.40	.10
Wall-flower Leaved. Glossy deep green foliage with flowers in all shades .....	.30	.10
Virginian Mixed. Early free flowering annual; easily grown. Oz., 40c. ....	.20	.05



Sunflower Stella

See pages 52 to 55 for Valuable Novelties and Specialties in Flower Seeds.



Michell's "Nice" Stock

MICHELL'S "NICE" STOCK

An early flowering strain; remarkably free bloomer, producing an abundance of large double fragrant flowers on a single plant; fine for garden bedding or cutting.

Abundance. Of dwarf spreading habit, bearing a profusion of flowers; color, a beautiful shade of carmine rose. Pkt., 15c.; 40c. large pkt.

Beauty of Nice. Delicate soft pink. Pkt., 15c.; 40c. large pkt.

Crimson King. Brilliant fiery crimson. Pkt., 15c.; 40c. large pkt.

La Brillante. Rich brilliant crimson. Pkt., 15c.; 40c. large pkt.

Midsummer Night. Deep dark violet. Pkt., 15c.; 40c. large pkt.

Mme. Rivoire. Early flowering; color, pure white. Pkt., 15c.; 40c. large pkt.

Queen Alexandra. Delicate lavender. Pkt., 15c.; 40c. large pkt.

Victoria. Pure white. Pkt., 15c.; 40c. large pkt.

Choice Mixed. All colors. Pkt., 15c.; 40c. large pkt.

Abilene, Kan.,

June 20, 1917.

Gentlemen: Our memorial crop of Stocks (seed purchased from your firm) were as fine as any we have ever seen.

Respectfully yours,
MILLER BROS.

SUNFLOWER (Helianthus)

Well known hardy annuals, the small flowering sorts being useful for cutting; the tall varieties are valuable for backgrounds.

SMALL FLOWERED SORTS

	Large Pkt.	Pkt.
Cucumerifolius. Single yellow	oz., 40c. \$0.20	\$0.05
Cut-and-Come-Again. Single yellow flowers, with twisted petals.....	.20	.10
Starlight. Beautiful single canary-yellow flowers with twisted petals; 4 feet .....	.30	.10
Stella. Large, single yellow flowers with black centre.....oz., 50c.	.20	.05

LARGE FLOWERED SORTS

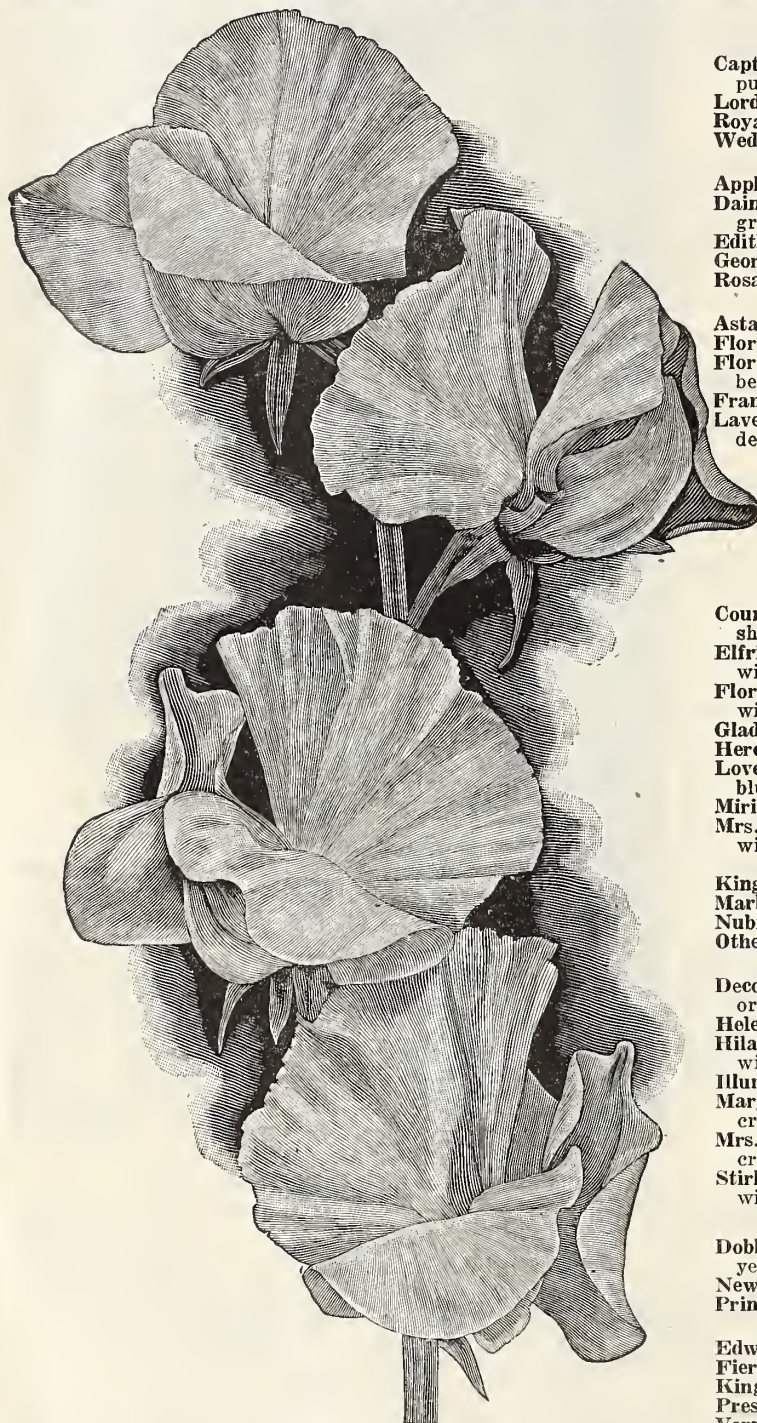
Chrysanthemum Flowered. Large double golden yellow flowers, resembling Chrysanthemums; 7 feet	oz., 40c. \$0.20	\$0.05
Double Globe. (<i>Globosus Fistulosus</i>). Large double yellow flowers; height 6 feet	oz., 35c. .20	.05
Dwarf Double. (<i>Globe of Gold</i>). Yellow flowers; 3 feet.....oz., 35c.	.20	.05
New Red. Extra large flowers, some of which are rich chestnut red; others tipped with yellow .....	.25	.10
Oscar Wilde. Single yellow, black centre; 6 feet	oz., 40c. .20	.05
Russian Mammoth. Immense single yellow flowers on tall heavy stalks; 6 feet	oz., 10c. .20	.05

PERENNIAL SORTS

Golden Bouquet. Single yellow flowers; 5 feet	\$0.30	\$0.10
Choice Mixed. Single flowering, hardy perennial sorts; will bloom the first year if sown early .....	.40	.10

MICHELL'S SPENCER OR ORCHID SWEET PEAS

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. Though but a few years old they are fast supplanting the older type. They are distinguished from the standard sorts by the enormous flowers with crinkled and wavy petals, and also from the fact that they usually bear four blossoms on a stem.



Sweet Pea, Countess Spencer

MICHELL'S SUPERB SPENCER MIXTURE

A mixture that cannot be surpassed. Blended by ourselves from only the Giant Waved Spencer varieties in proportions of bright colors and including a number of new hybrids of exquisite colors and shades. Per pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.25 per lb.

SPECIAL COLLECTIONS OF SPENCER ORCHID SWEET PEAS

One pkt each 6 named varieties our selection, 50c.
One pkt. each 14 named varieties our selection, \$1.00.

BLUE AND PURPLE

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Captain of the Blues Spencer. Standard purple; wings blue	\$0.10	\$0.30	\$0.85	\$3.00
Lord Nelson Spencer. Navy blue .....	.10	.30	.85	3.00
Royal Purple. Rich purple .....	.10	.35	1.00	3.50
Wedgwood. A lovely self-blue .....	.10	.35	1.00	3.50

DEEP PINK OR ROSE

Apple Blossom Spencer. Rose and pink... ground .....	.10	.30	.85	3.00
Dainty Spencer. Rose pink on white .....	.10	.30	.85	3.00
Edith Taylor. Bright salmon rose .....	.10	.30	.85	3.00
George Herbert. Rose carmine .....	.10	.30	.85	3.00
Rosabelle. Giant rose .....	.10	.30	.85	3.00

LAVENDER

Asta Ohn Spencer. Rich lavender.....	.10	.30	.85	3.00
Flora Norton Spencer. Light lavender..	.10	.30	.85	3.00
Florence Nightingale. The largest and best lavender .....	.10	.35	1.00	3.50
Frank Dolby. Light lavender .....	.10	.20	.60	2.00
Lavender George Herbert. Bluish lavender .....	.10	.30	.85	3.00
Margaret Madison Improved. Light lavender or azure blue..	.10	.40	1.25	4.00
R. F. Felton. Flowers large; soft lavender .....	.10	.40	1.25	4.00

LIGHT PINK

Blanche Ferry Spencer. Large flowers; pink and white .....	.10	.30	.85	3.00
Countess Spencer. A lovely clear pink, shading deeper at the edge .....	.10	.30	.85	3.00
Elfrida Pearson. Light pink, margined with darker pink .....	.10	.35	1.00	3.50
Florence Morse Spencer. Delicate blush, with pink margin .....	.10	.30	.85	3.00
Gladys Unwin. Delicate pink .....	.10	.20	.60	2.00
Hercules. Giant pure pink .....	.10	.35	1.00	3.50
Lovely Spencer. Deep pink, shading to blush .....	.10	.35	1.00	3.50
Miriam Beaver. Light apricot and buff..	.10	.40	1.25	4.00
Mrs. Cuthbertson. Standard rose pink; wings blush white .....	.10	.30	.85	3.00

MAROON

King Manoel. Rich maroon .....	.10	.35	1.00	3.50
Marks Tey. Purplish maroon .....	.10	.35	1.00	3.50
Nubian. Maroon or deep chocolate self..	.10	.35	1.00	3.50
Othello Spencer. Deep maroon .....	.10	.30	.85	3.00

ORANGE AND SALMON

Decorator. Rose, suffused cerise and orange .....	.10	.30	.85	3.00
Helen Lewis. Orange pink .....	.10	.30	.85	3.00
Hilary Christie. Standard salmon orange; wings rosy salmon .....	.10	.40	1.25	4.25
Illuminator. Rich salmon pink .....	.10	.35	1.00	3.50
Margaret Atlee. Light salmon pink on cream ground .....	.10	.30	.85	3.00
Mrs. Hugh Dickson. Salmon pink on cream ground .....	.10	.30	.85	3.00
Stirling Stent. Deep salmon, suffused with orange .....	.10	.30	.85	3.00

PRIMROSE OR LIGHT YELLOW

Dobbie's Cream. Deep cream or primrose yellow .....	.10	.30	.85	3.00
New Buttercup. Large; deep cream....	.10	.75	2.25	
Primrose Spencer. Light yellow .....	.10	.30	.85	3.00

SCARLET

Edward Cowdy. Orange scarlet .....	.10	.40	1.25	4.00
Fiery Cross. Large, intense orange scarlet	.10	.60	2.00	
King Edward Spencer. Crimson scarlet..	.10	.30	.85	3.00
President. Glowing scarlet self .....	.10	.75	2.25	
Vermilion Brilliant. Intense scarlet.....	.10	.30	.85	3.00

STRIPED AND FLAKED

American Spencer. Red flakes on white ground .....	.10	.30	.85	3.00
Helen Pierce Spencer. White mottled light blue .....	.10	.40	1.25	4.00
Scintillator. Striped and flaked orange rose on a cream ground .....	.10	.75	2.25	

WHITE

Constance Hinton. Large white, black seeded .....	.10	.40	1.25	4.00
King White. Gigantic flowers; pure white	.10	.35	1.00	3.50
Nora Unwin. Large pure white .....	.10	.15	.50	1.50
White Spencer. Pure white .....	.10	.30	.85	3.00

MICHELL'S SWEET PEAS

87

GRANDIFLORA VARIETIES

	Oz.	¼ Lb.	Lb.
Blanche Burpee. Large, pure white.....	\$0.15	\$0.45	\$1.40
Blanche Ferry. Pink and white .....	.15	.40	1.25
Countess of Radnor. Pale lavender .....	.15	.40	1.25
Dorothy Eckford. Large white .....	.15	.40	1.25
Flora Norton. Delicate lavender .....	.15	.40	1.25
Hon. Mrs. E. Kenyon. Primrose yellow...	.15	.45	1.40
King Edward VII. Crimson scarlet.....	.15	.40	1.25
Lady Grisel Hamilton. Pale Lavender....	.15	.45	1.40
Lord Nelson. Rich navy blue .....	.15	.40	1.25
Lovely. Soft shell pink .....	.15	.45	1.40
Miss Wilmott. Deep orange pink .....	.15	.45	1.40
Navy Blue. Deep violet blue .....	.15	.45	1.45
Othello. Dark maroon .....	.15	.40	1.25
Prima Donna. Lovely soft pink .....	.15	.40	1.25
Queen Alexandra. Scarlet .....	.15	.40	1.25

Price, any of the above Varieties, 5c. per packet.

SPECIAL COLLECTIONS OF SWEET PEAS

One packet each 15 above named varieties.....	\$0.50
One ounce each 15 above named varieties.....	1.50

For Spencer or Orchid Flowered Sweet Peas see page 86

MICHELL'S GILT EDGE MIXTURE

This mixture contains the Grandiflora or large flowering varieties, and represents almost every color and shade in Sweet Peas.

Price: 5c. per pkt.; per oz., 15c.; 40c. per ¼ lb.; per lb., \$1.25.

DWARF CUPID VARIETIES MIXED

Compact plants growing 6 to 7 inches high and 12 to 15 inches in diameter, and from June until late summer are literally a sheet of bloom.

Price: 5c. per pkt.; per oz., 15c.; 50c. per ¼ lb.; per lb., \$1.50.

WINTER FLOWERING SPENCER

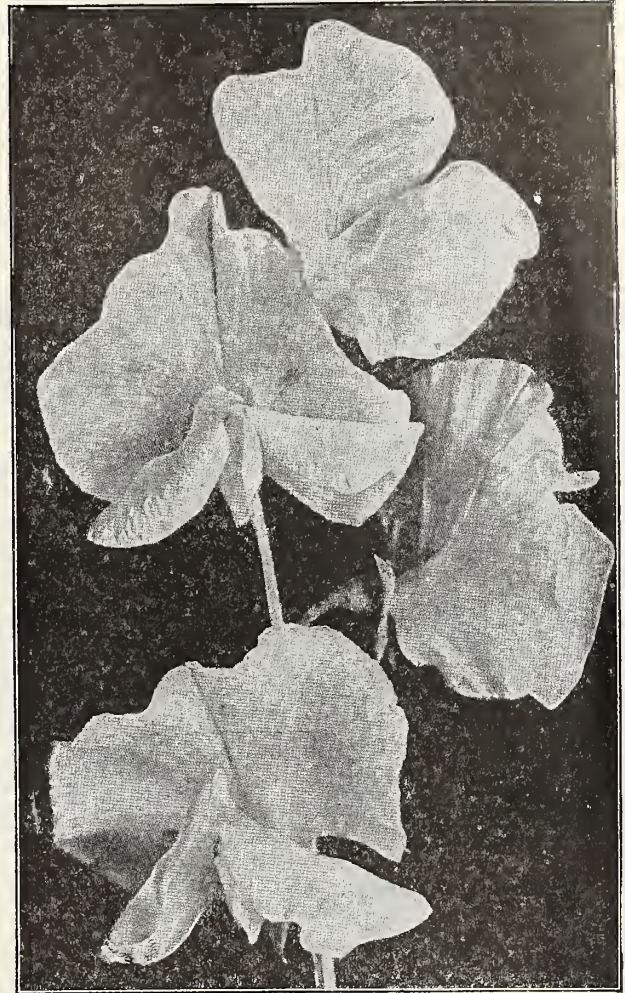
OR ORCHID SWEET PEAS

	Pkt.	Oz.
Asta Ohn. Rich lavender	\$0.25	\$1.75
Helen Lewis. Orange pink .....	.25	1.75
Lavender Nora .....	.15	.50
Lavender Pink Orchid .....	.15	1.25
Mrs. A. A. Skaach. Clear, light pink.....	.15	1.25
Mrs. M. Spanolin. Pure white .....	.15	1.25
Mrs. William Sim Orchid. Salmon pink.....	.15	1.25
Pink and White Orchid .....	.15	1.25
Red Orchid .....	.15	1.25
Rose Queen. Flowers are borne freely on long stems, are of large size, and usually four flowers are produced on a stem. Color a most attractive shade of pink	¼ oz., \$1.50	.50 4.00
Venus. White, blushed pink .....	.15	1.25
Wedgewood. Lovely clear blue .....	.25	1.75
White Orchid .....	.15	1.25
Yarrowa. Flowers exquisitely waved, and of large size, many of them being duplex or double. Color, a pleasing shade of bright rose pink with lighter wings .....	.15	1.25
Mixed Colors .....	.10	.75

EARLY FLOWERING LONG SEASON SPENCER SWEET PEAS

One of the chief characteristics of these varieties is their long-season period of blooming, frequently remaining in bloom for four months. The flowers are large, of best Spencer form, and borne in threes and fours on long stems.

	Pkt.	Oz.
Early Hercules. Soft rose pink	\$0.25	\$1.75
Early Liberty. Deep sunproof crimson .....	.25	1.75
Early Meadow Lark. Rich cream .....	.25	1.75
Early Melody. Rose pink on white ground.....	.15	1.25
Early Morning Star. Deep orange scarlet in standard, with rich, orange-pink wings .....	.15	1.25
Early Song Bird. Pale pink on white ground..	.15	1.25
Early Songster. Rich lavender .....	.25	1.75
Early Spring Maid. Light pink on white ground.	.15	1.25
Early Sunset. Rich, mauve pink on white ground	.25	1.75
Early Warbler. Rich, mauve purple .....	.25	1.75



Winter Flowering Spencer or Orchid Sweet Pea

MICHELL'S CHRISTMAS OR WINTER FLOWERING SWEET PEAS

The following varieties can be successfully grown outdoors in summer, but are especially desirable for forcing in greenhouse for winter blooming.

	Pkt.	Oz.	¼ lb.
Michell's Snowdrift. Pure white; black seeded; extra early; large flowers	\$0.10	\$0.25	\$0.75
Christmas Meteor. Scarlet .....	.10	.20	.60
" Pink. Pink and white .....	.10	.20	.60
" White. (Florence Denzer) .....	.10	.20	.60
Earliest of All. Pink and white .....	.05	.15	.50
Le Marquis. Large dark blue .....	.10	.20	.60
Mont Blanc. Pure white .....	.05	.15	.50
Mrs. Alex. Wallace. Lavender .....	.10	.20	.60
Mrs. Chas. H. Totty. Lavender .....	.10	.20	.60
Mrs. F. J. Delansky. Daybreak pink .....	.10	.20	.60
Mrs. William Sim. Salmon pink .....	.10	.20	.60
Watchung. Pure white .....	.10	.20	.60
Mixed. Winter flowering .....	.10	.20	.60

Our Booklet "How to Grow Sweet Peas" included in all orders if requested.

NITROGEN-GATHERING BACTERIA

Ideal preparation for treating Sweet Peas Seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period.

Mulford's Culture. Per bottle, 25c and 50c.



SWEET ROCKET (Hesperis)

A desirable hardy plant; excellent for naturalizing among shrubbery or for planting in a permanent border.

Large pkt. Pkt.
Mixed. Fragrant white and purple flowers; perennial; 2 to 3 feetoz., 40c. \$0.20 \$0.05

SWEET SULTAN (Centaurea Moschata)

Hardy annual; fragrant flowers, resembling "Bachelor's Buttons."

Large pkt. Pkt.
Mixed Colorsoz., 65c. \$0.20 \$0.05



Single Sweet William

SWEET WILLIAM (Dianthus Barbatus)

This is one of the finest of our hardy garden plants; of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery.

	Oz.	Large pkt.	Pkt.
Auricula Flowered. A beautiful class of "eyed" single varieties, all colors mixed....	\$0.75	\$0.20	\$0.05
Pink Beauty. An exceedingly pretty variety with beautiful salmon pink flowers.....		.40	.15
Scarlet Beauty. Rich deep scarlet variety....		.40	.15
Single Crimson ..... .60		.20	.05
" Velvety Maroon ..... .60		.20	.05
" White ..... .60		.20	.05
" Mixed. All colors ..... .40		.20	.05
Double Mixed ..... .90		.20	.10

TAGETES (Single Marigold)

Golden Ring. Dwarf bushy annual Marigold, with beautiful fern-like leaves, covered with flowers of dark brown, edged yellow; 1 foot.....\$0.20 \$0.05

THUNBERGIA (Black-Eyed Susan)

Rapid growing annual climbers, making a pretty vine for trellis, fences, rockwork, etc.; also for window boxes, hanging baskets and vases; produces a profusion of pretty flowers.

Large pkt. Pkt.
Mixed. All colorsoz., 90c. \$0.20 \$0.05

TORENIA

Showy bedding plants, flowering profusely all summer; also fine for pots and baskets; height, 12 inches.

Large pkt. Pkt.
Fournieri Grandiflora. Sky-blue flowers, with dark blue spots and yellow throat\$0.50 \$0.10

VALERIANA (Garden Heliotrope)

Hardy perennial border plants, large fragrant flowers; 2 to 3 feet.

Large pkt. Pkt.
Mixed Colors\$0.20 \$0.05



Michell's Mammoth Fancy Verbena

VERBENA

An excellent annual for beds and massing, and for a gorgeous display during the summer months cannot be excelled, commencing to flower in July and continuing until frost. Our **Mammoth Fancy Strain** cannot be surpassed for profusion of bloom and beautiful colors and shades.

	Oz.	Large pkt.	Pkt.
Michell's Mammoth Fancy Blue	\$2.00	\$0.40	\$0.10
" " " Pink	2.00	.40	.10
" " " Scarlet	2.00	.40	.10
" " " Striped	2.00	.40	.10
" " " White	2.00	.40	.10
" " " Mixed	1.50	.40	.10

Collection. One packet each of above 5 colors
Fine Mixed. All colorsoz., 90c. \$0.25 \$0.05

Giant Flowered. A new variety of large size, with extra large white eyes, making them very attractive; mixed colors65 .15

Helen Wilmott. A new variety with large flowers of a bright salmon rose with white eye .oz., 90c. .25 .05

Lemon Scented (Aloysia Citriodora). An old favorite plant with delightful lemon-scented foliage; excellent for growing in the garden in summer and in pots in winter50 .10

Ask for Cultural Leaflet No. 207 on the growing of Verbenas.

VERONICA (Speedwell)

An elegant hardy perennial plant of easy culture and free-flowering habit; of value as a cut flower or for garden effect. Plants grow bushy and produce long spikes of flowers.

Large pkt. Pkt.
Spicata. Long spikes of bright blue flowers, 18 inches\$0.30 \$0.10

VINCA (Madagascar Periwinkle)

Dwarf bedding plants with deep green glossy foliage and bright single blossoms of striking beauty; sow early.

	Large pkt.	Pkt.
Alba. White with rose eye	\$0.20	\$0.10
Alba Pura. Pure white .....	.20	.10
Rosea. Rose with dark eye .....	.20	.10
Mixed .....oz., 75c.	.20	.10



VIOLA CORNUTA (Tufted Pansies)

These resemble pansies in shape and form, with the additional quality that they are of long stems, and appear uninterrupted from early spring till snow flies. Large pkt. Pkt.

Admiration. Dark blue	\$0.50	\$0.10
Mauve Queen. Lovely mauve color .....	.50	.10
Perfection. Light blue .....	.50	.10
White Perfection. Light white .....	.50	.10
Mixed. All colors .....	.40	.10

VIOLA (Scotch Bedding Pansies)

These are very free flowering and cannot be surpassed for bedding purposes; produce larger flowers than the Viola Cornuta.

Golden Gem. Yellow	\$0.50	\$0.15
Lutea Splendens. Rich golden yellow .....	.40	.10
Snowflake. Pure white .....	.50	.15
Mixed. From the best named Scotch varieties.....	.65	.25

VIOLET Sweet Scented (Viola Odorata)

Single Blue Czar. Dark blue	\$0.40	\$0.10
Single Mixed. Blue and white .....	.40	.10

WALLFLOWER

Half-hardy perennials of delicious fragrance. They should be protected in a cold frame in the winter and planted out in the spring; 2 feet. Large pkt. Pkt.

Double Brown	\$0.50	\$0.10
“ Yellow .....	.50	.10
“ Mixed. All colors .....	.50	.10
Single Mixed	oz., 40c.	.20 .05
Imported Collection. 6 double varieties .....		.50
Imported Collection. 6 single varieties .....		.40

Paris Extra Early. A single-flowering variety, which may be treated as an annual, flowering the first year from seed; 1½ feet.

Paris Extra Early Blood Red	\$0.20	\$0.10
Paris Extra Early Yellow .....	.20	.10
Paris Extra Early Mixed. All colors.....oz., 60c.	.20	.10



New Giant Robusta Zinnias

XERANTHEMUM (Everlasting Flower)

Double Mixed. Showing hardy annual of easy culture producing a profusion of flowers; excellent for winter bouquets\$0.20 \$0.05 Large pkt. Pkt.

MICHELL'S DISTINCTIVE ZINNIAS

(Youth and Old Age)

Few of our hardy annuals are more effective in the border than Zinnias. They are easily grown, and bloom continuously from early summer until frost.

DWARF DOUBLE ZINNIAS

Fine for edgings; height, 1½ feet.

	Oz.	Large pkt.	Pkt.
Crimson	\$0.75	\$0.20	\$0.05
Pink .....	.75	.20	.05
Salmon Rose .....	.75	.20	.05
Scarlet .....	.75	.20	.05
White .....	.75	.20	.05
Yellow .....	.75	.20	.05
Mixed .....	.50	.20	.05
Collection, one packet each above 6 colors....			.25

ROBUSTA OR GIANT DOUBLE ZINNIAS

Plants grow to a height of 2½ feet, with immense perfectly double flowers; splendid for cutting or garden effect.

	Oz.	Large pkt.	Pkt.
Crimson	\$1.50	\$0.40	\$0.15
Flesh Color	1.50	.40	.15
Golden Yellow	1.50	.40	.15
Purple	1.50	.40	.15
Scarlet	1.50	.40	.15
Sulphur Yellow	1.50	.40	.15
Violet	1.50	.40	.15
White	1.50	.40	.15
Mixed	1.00	.25	.10
Collection, one packet each above 8 colors....			1.00

TALL DOUBLE ZINNIAS

Flowers of good size; height, 2 feet.

	Oz.	Large pkt.	Pkt.
Crimson	\$0.60	\$0.20	\$0.05
Pink .....	.60	.20	.05
Orange .....	.60	.20	.05
Scarlet .....	.60	.20	.05
White .....	.60	.20	.05
Yellow .....	.60	.20	.05
Mixed .....	.40	.20	.05
Collection, one packet each above 6 colors....			.25

VARIOUS ZINNIAS

	Oz.	Large pkt.	Pkt.
Curled and Crested. Large double flowers; petals twisted and curled; mixed colors; 1½ feet	\$0.60	\$0.20	\$0.10
Giant Picotee (New). Mixed Colors. For description and illustration, see novelties and specialties; page 55 .....		.65	.25
Red Riding Hood. Miniature double flowers; intense scarlet; 1 foot	1.00	.25	.10
Zebra or Striped. Large double flowers; striped and spotted; 2 feet .....	.75	.20	.10
Ask for Cultural Leaflet No. 208 on the growing of Zinnias.			

MIXED FLOWER SEEDS FOR WILD GARDEN

This mixture embraces a large number of varieties of easy-growing, beautiful and interesting annual flowers, which will furnish a profusion of bloom throughout the entire summer and autumn; many of the varieties will be found useful for cutting. Price: Pkt., 5c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

PERENNIAL FLOWER GARDEN MIXTURE

To create an old-fashioned wild garden or to naturalize along roads or woods we highly recommend this mixture, as it contains many hundred varieties of the choicest old-fashioned flowers. Pkt., 10c.; 40c. per oz.; per ¼ lb., \$1.25.

MICHELL'S CULTURAL LEAFLETS

We have prepared the following Cultural Leaflets especially for the benefit of the amateur, or, in fact, for any who may want them, giving instructions how to grow the same successfully from seed. These leaflets are free.

201. Antirrhinum.	208. Zinnia.	215. Cyclamen.
202. Aster.	209. Pansy.	216. Larkspur.
203. Cineraria.	210. Salvia.	(Annual)
204. Mignonette.	211. Stock.	217. Lupinus.
205. Petunia.	212. Perennials.	218. Phlox Drum.
206. Primula.	213. Carnation.	219. Nasturtium.
207. Verbena.	214. Cosmos.	220. Begonia.

MICHELL'S SUMMER FLOWERING BULBS AND PLANTS

PLEASE NOTE.—In this catalogue we have arranged the items referred to above in alphabetical order, grouping them together. In past catalogs, we usually separated the bulbs from the plants, but believe the present arrangement will be easier for our customers to select their wants from.

All plants and bulbs are shipped at purchaser's expense unless otherwise specified. **NO PLANTS SHIPPED C. O. D.**

Much of this stock is grown by ourselves, the balance for us by specialists, and are thrifty specimens which will invariably give fine results. The stock offered on pages 90 to 101 is **not hardy**, being for the one season's display only with the exceptions of a few. Summer flowering plants cannot well be mailed, as we send out strong specimens, which travel best by express.

ABUTILON (Bell Flower) (Ready in May)

Splendid plants to be used as a close setting or around a bed of Cannas or other tall growing plants.

We offer these in mixed colors only, embracing white, yellow and red. Strong plants, 3-inch pots, 25c. each; doz., \$2.00; \$15.00 per 100.

ACALYPHA (Ready in May)

Macafeana. Plants growing 2 feet high, with beautiful red and bronze foliage, showing up well against a green background of cannas, caladiums or ricinus. Extra strong plants, 3-in pots, 25c. each; doz., \$2.00; \$12.50 per 100.

ACHYRANTHES (Ready in May)

Excellent for edging beds of various kinds; make a fine show against a green or yellow background; grow about 12 inches high; very compact.

Brilliantissima. Crimson foliage; very bright.

Extra strong plants, 3-inch pots, 20c. each; doz., \$1.50; \$10.00 per 100.

AGERATUM (Floss Flower) (Ready in May)



Ageratum Blue Perfection

These are one of the freest of flowering annuals and can be adapted to many purposes. As an edging in a garden border few plants surpass it. Flower heads very large. Plants 10 inches high; ideal for massive bedding or edging.

Blue Perfection. 3-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.

ALTERNANTHERA (Ready in May)

Used principally for carpet bedding effects and edgings; fine for working out designs; of very dwarf growth, being about 4 inches high.

Aurea Nana. Green and yellow; mottled foliage.

Brilliantissima. Red, with a slight trace of green. 3-inch pot-plants, 15c. each; doz., \$1.50; \$7.50 per 100.

AMARYLLIS

For a practical showy house plant there is nothing of easier culture than these gorgeous lily-like flowers. Once potted they can remain in the same pot for years, the number of flowers increasing each year.

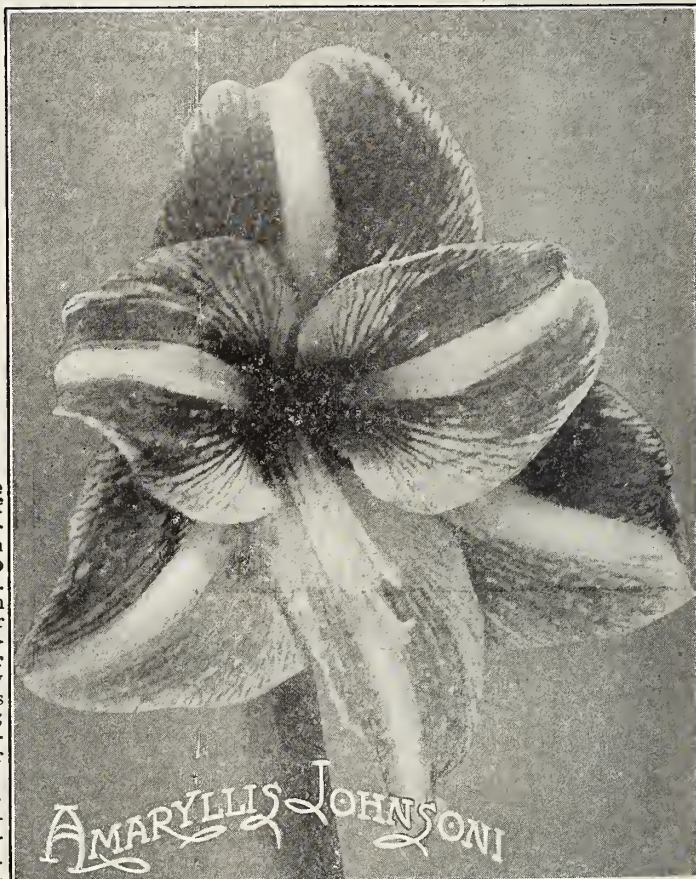
Cultural Directions: Place bulbs, on receipt, in damp moss in temperature of 60° and allow the flowering shoot to appear before the bulb is potted. When the plant is in progress of blooming water freely, other times sparingly.

Belladonna. A beautiful bright pink. 35c. each; doz., \$3.50.

Formosissima. Crimson. 15c. each; per doz., \$1.50.

Hybrids of Vittata. Beautiful species, flowers striped and flaked. 50c. each; per doz., \$5.00.

Johnsoni. A very large crimson flower, striped white. This variety is the best of the every day sorts, the flower is very showy. Every collection of Amaryllis should include this one. Mammoth bulbs. 50c. each; per doz., \$5.00. Large bulbs, 35c. each; per doz., \$3.50.



ALYSSUM (Ready in May)

Little Gem. Pure white flowers, dwarf compact plant, desirable for edging, flowering all season; 6 inches high, 3-inch pot-plants 15c. each; \$1.50 doz., \$9.00 per 100.

SMALL AMARYLLIS ZEPHYRANTHES (See Page 100)

ANTIRRHINUM (Snapdragon) (Ready in May)

A very effective plant for massive bedding and border planting, also much used in Italian Gardens. If flowers are cut off after blooming they will continue until frost. In separate colors as follows:

Giant White, Pink, Yellow and Scarlet. Extra strong. 3-inch pot-plants, 20c. each; doz., \$1.75; \$12.00 per 100.

ASTERS (Giant Flowering) (Ready in May)

We grow a large stock in separate colors, Pink, Scarlet, White and Blue. Extra strong 3-inch pot-plants, 10c. each; doz., \$1.00; \$7.00 per 100.

BEGONIAS (Fibrous Rooted) (Ready in May)

Erfordi. Of the same habit as Vernon, but having bright pink flowers which almost hide the foliage during the whole summer. 3-inch pot-plants, 20c. each; doz., \$1.75; \$12.00 per 100.

Gracilis Luminosa. A splendid edging variety with bronzy red foliage and brilliant coppery scarlet flowers, very free blooming, of same habit as Vernon. 3-inch pot-plants, 20c. each; \$1.75 doz.; per 100, \$12.00.

Vernon. Bright red flowers, compact dwarf plant, one of the best and most effective bedding plants either for edging or massive bedding, 3-inch pot-plants, 20c. each; \$1.75 doz.; \$12.00 per 100.

SPECIAL NOTICE.—While we aim to make one shipment of seeds, plants and bulbs ordered at one time, this is not always possible. Customers will please understand when separate shipments are made, it is in their interest to do so.



Tuberous Begonia

BEGONIAS (Tuberous Rooted)

There is hardly a single garden in which there are not semi or entirely shaded spots; such places are ideal for this flower; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June until frost. The bright flowers contrast well with the deep-colored foliage. Plant bulbs outdoors about May 1st or start indoors any time prior to then.

Single	Each	Doz.	100	Single	Each	Doz.	100
Crimson	\$.015	\$1.50	\$10.00	Scarlet	\$.015	\$1.50	\$10.00
Single Orange	.15	1.50	10.00	Single White	.15	1.50	10.00
Single Pink	.15	1.50	10.00	Single Yellow	.15	1.50	10.00
Single Mixed					.15	1.50	10.00
Double, in separate colors as above					.20	2.00	12.50
Double Mixed, all colors					.20	2.00	12.50

CALLAS

Splendid as a pot plant for the window garden or for growing outdoors, preferring a shaded location. May be started inside any time prior to May 1st, after which they can be safely planted out.

	Each	Doz.	100
Elliottiana. Yellow flower, spotted leaf	\$.035	\$3.50	\$25.00
Spotted. White flower, spotted leaf	.20	2.00	12.50
Black. (Stock unprocureable at present)			

CALENDULA (Pot Marigold) (Ready in May)

These somewhat resemble a double daisy, are fine for cutting, border planting or as a background.

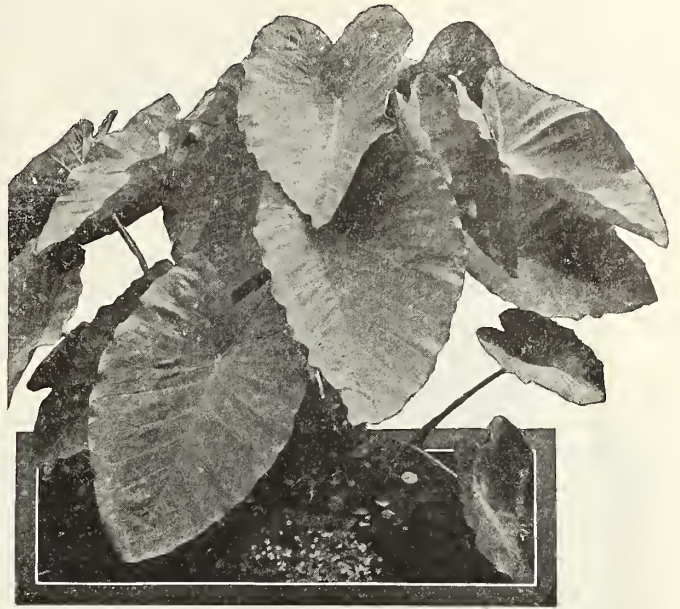
Orange King. Very deep orange.
3-inch pot-plants, 20c. each; doz., \$1.50; \$10.00 per 100.

CENTAUREA (Ready in May)

Gymnocarpa. Broad silvery foliage, for edging flower beds.
3-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.
Cyanus Double Blue. The favorite boutonniere of the business man, rich bright blue; get a dozen plants for your garden. 3-inch pot-plants, 15c. each; doz., \$1.50; 100, \$10.00.

COLEUS (Ready in May)

The popular beefsteak plant so commonly used for edging canna and geranium beds, making a fine show till frost.
Verschaffelti. Dark crimson foliage.
Golden Bedder. Rich canary yellow.
Queen Victoria. Red, with yellow edge.
3-inch pot-plants, 15c. each; \$1.25 per doz.; per 100, \$7.50.



Caladium Esculentum

CALADIUM ESCULENTUM (Elephant's Ear)

As centre pieces in flower beds Caladiums are fine. They make an excellent edging for tall-growing plants. When planted in a bed alone, a border of Scarlet Sage makes a beautiful contrast. Do not plant outdoors until after May 1st; but to get them in early growth, they may be started indoors.

	Each	Doz.	100
Monster Bulbs, 12-14 in. cir.	\$.50	\$5.00	\$30.00
Mammoth Bulbs, 9-11 in. cir.	.35	3.50	25.00
First Size Bulbs, 7-9 in. cir.	.20	2.00	15.00
Second Size Bulbs, 5-7 in. cir.	.15	1.50	10.00

If wanted by mail add 5c. to the price of single bulbs.

CALADIUM (Fancy Leaved)

Charming conservatory plants. Being of tropical nature they like a warm temperature. They do quite well outdoors during the summer, if planted in a sheltered, shaded place. The foliage covers a wide range of colors, and makes a grand display. The bulbs should be started in moss with plenty of bottom heat.

Charles Simpson. Bluish green, spotted red, creamy white.
Coimbra. White suffused green, red veins and ribs.

Frances M. Laughlin. Transparent rose centre, yellowish zone, green border.

Jacupiranga. Transparent white with green veins.

Jupiter. Red centre, green border, spotted white.

Leopard Robert. Deep red crimson ribs, green border.

Lord Derby. Rose, green ribs and veins.

Macache. Variable, green suffused pink, with red ribs.

Prince Albert Edward. Red, suffused pink, green border.

Putumayo. Pink, spotted strawberry red, very beautiful.

Shellpink. Centre shell pink, deep red veins, white border.

Silver Queen. Pure white, almost transparent like glass.

Any of the named sorts, 30c. each; doz., \$2.50; 100, \$17.50.



Fancy Leaved Caladium

MICHELL'S CHOICE CANNAS [NEWER VARIETIES AND THOSE OF SPECIAL MERIT]

We make a specialty of growing Cannas at our nurseries, Andalusia, Pa., where acres of them are a blaze of color throughout the summer. In ordering please state if plants or roots are wanted. If order does not so state we will send roots.



Canna President

THE PRESIDENT

Height, 4 feet. By a sweeping majority of votes, this Canna won the honor of being named "The President," for it is so surpassingly fine that no other red Canna could be a competitor. In color it is a rich, glowing scarlet, and the immense, firm, rounded flowers, 7 inches across when open, are produced on strong erect stalks well above the large, rich green foliage. The President is superior to any other red variety in the quantity and also quality of bloom, and the firm flowers are able to resist drought and heat to a remarkable degree. Strong plants, \$1.00 each.

Beacon. Moderate sized flowers of rich cardinal red, borne on large heads that make an impressive appearance; the mass of color presented by a block of these is a wonderful sight; green foliage. **Plants only** ready in May. 35c. each; doz., \$3.75.

City of Portland. A glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are borne in greater profusion; height, 2½ ft.; foliage, green. **Plants only**, 35c. each; doz., \$3.75.

Dragon. An incessant bloomer, which keeps sending up new bloom stalks continually from the first flowers till frost time. The flowers are dark or ox-blood red, height, 2½ to 3 ft. **Plants only**, 35c. each; doz., \$3.75.

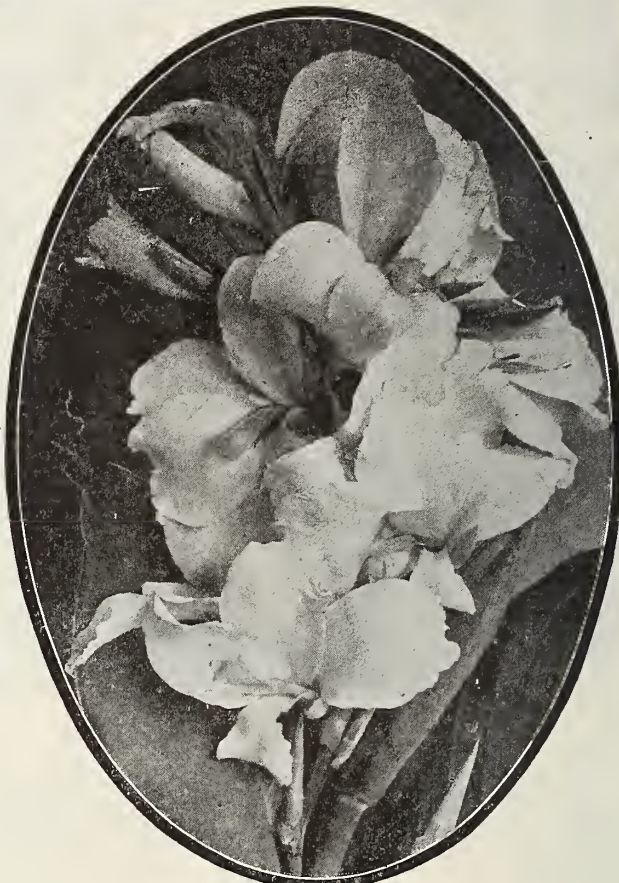
Firebird. This is in every respect one of the best red flowered, green-leaved Cannas. The petals measure 2½ inches and more across; the color is a brilliant scarlet, without any spots. **Roots**, 20c. each; doz., \$2.00; \$15.00 per 100. **Strong plants**, ready May 1st, 30c. each; doz., \$3.00; \$20.00 per 100.

Hungaria. The plant is dwarf and of compact growth; rich peach blossom pink. It is a free, early and continuous bloomer. The shade is one that will immediately arrest the eye and really must be seen to be appreciated. The foliage is a rich green and very massive. **Roots**, 20c. each; doz., \$2.00; \$12.50 per 100. **Strong plants**, 30c. each; doz., \$3.00; \$20.00 per 100.

King Humbert. Truly a king among cannas, because of its majestic growth which is doubly enhanced by its massive truss of coppery scarlet flowers. The foliage is deep bronze, very broad, and of wonderful robust habit, growing 4 ft. high; splendid as a centre planting, edged with yellow green leaved cannas or vice versa. **Roots**, 15c. each; doz., \$1.50; \$10.00 per 100. **Strong plants**, ready after May 1st, 25c. each; dozen, \$2.50; \$15.00 per 100.

Meteor. Of compact growth; broad green foliage, surmounted with large heads of bright red flowers; grows about 4½ feet high. **Roots**, 20c. each; doz., \$2.00; \$15.00 per 100. **Strong plants**, ready in May, 30c. each; doz., \$3.00; \$20.00 per 100.

Canna roots should be lifted in the fall before frost touches them. The leaf stalks should be cut off to within six inches of the root; they may then be kept over winter in the cellar, or in a box and covered with sand or soil and will be ready to plant out again the next season.



Canna, Yellow King Humbert

Mrs. Alfred F. Conard. The gigantic flowers, which are borne in immense clusters on stalks often 5 and 6 feet tall, are of a delightful salmon pink, a shade which becomes more brilliant as the flower develops and which stands unapproached by other varieties. The foliage is light green and grows almost to the flower, presenting a splendid contrast. **Roots**, 20c. each; doz., \$2.00; \$15.00 per 100. **Strong plants**, ready after May 1st, 30c. each; doz., \$3.00; \$20.00 per 100.

Mrs. Woodrow Wilson. This variety resembles Mrs. Alfred F. Conard, but the flower is a deeper shade of pink. The plant is dwarf and compact, with green foliage. **Plants only**, 35c. each; doz., \$3.75.

Panama. A combination in color that is odd yet beautiful. The face of the petals, which is orange red, is encircled with a broad edge of golden yellow. It is a free bloomer and of gigantic size; green foliage; 3½ feet. **Roots**, 20c. each; doz., \$2.00; \$15.00 per 100. **Plants**, ready in May, 30c. each; doz., \$3.00; \$20.00 per 100.

Princeton. An intense bright yellow, with a decided dash of red in the throat, resists bleaching in the sun rays better than any other yellow canna; green foliage; 3 to 4 ft. **Plants only**, 35c. each; doz., \$3.75.

Rosea Gigantea. A wonderful novelty, the largest of pink cannas in existence; color, a rich rose pink; flowers free, foliage green; height, four feet. **Roots**, 20c. each; doz., \$2.00; \$15.00 per 100. **Strong Plants**, ready after May 1st, 30c. each; doz., \$3.00; \$20.00 per 100.

Yellow King Humbert (Queen Helen). This is a sport of the well-known bronze-leaved variety, but this sort has green foliage; about 4 ft. high, with masses of golden yellow flowers, dotted red; occasionally some will be streaked red. It is of strong, vigorous habit. **Roots**, 25c. each; doz., \$2.50; \$15.00 per 100. **Strong plants**, 30c. each; doz., \$3.00; \$20.00 per 100.

MICHELL'S CHOICE CANNAS

93

General List of Popular Varieties.



Canna, "Mrs. Alfred F. Conard"

- Alphonse Bouvier.** Rich velvety red; green foliage; 6 feet high. Splendid as a background in borders.
- Austria.** A tall-growing variety with gigantic blooms of a satiny texture, pure golden yellow; 6 feet high; foliage green.
- Chas. Henderson.** An old favorite, fine shade of deep crimson dwarf compact; green foliage; height, about 2 ft.
- Dr. E. Ackerknecht.** Deep carmine; suffused deeper. Very distinct free bloomer; height 4 ft.; green foliage.
- Egandale.** A splendid bronze-leaved variety, with large cherry red flowers; 4 feet high.
- Elizabeth Hoss.** A fine yellow sort, spotted vivid red; broad petals which open flat; stands the sun well.
- Express.** One of the most satisfactory dwarf crimson cannas; a continuous bloomer; green foliage; 2½ feet high.
- Florence Vaughan.** Yellow, spotted crimson; green foliage; 5 feet high.
- Gen'l Merkel.** Bright scarlet, splashed yellow.
- Gustav Gumper.** Fine rich clear yellow; a splendid bloomer; green foliage; height, 4 ft.
- Harry Laing.** Rich glowing scarlet suffused orange; green foliage; height, 5 ft.
- Italia.** Golden blotched crimson, orchid type; green foliage; 5 feet high; one of the best of the older sorts.
- Kate F. Deemer.** Rich oriole yellow, shading to turkey red in the centre; green foliage; 4 feet high.
- Koros.** Light orange, scarlet streaked and dotted carmine.
- Louis Reverchon.** Cochineal red flowers, bronze foliage, free bloomer.
- Maros.** Creamy white; very free bloomer; green foliage; height, 3½ to 4 ft.
- Mme. Crozy.** Scarlet, bordered yellow; green foliage; 3 feet.
- Queen Charlotte.** Crimson, bordered gold; green foliage; 3 feet high. A standard variety for bedding.
- Richard Wallace.** A remarkably free bloomer, producing gigantic clusters of light yellow flowers. It stands quite erect, about 4 feet high; green foliage.
- Secrétaire Chabanne.** Bright salmon pink; green foliage; 3½ ft.
- West Virginia.** Rich crimson scarlet with a bronze-yellow border, green foliage; about 3½ feet.
- Wyoming.** Orange red; bronze foliage a massive growing sort, about 6 feet high, orchid flowered.

SPECIAL NOTICE.—Unless otherwise ordered Cannas will be furnished in roots as far as possible. When roots are exhausted we will supply plants after May 1st (at the prices quoted for plants). If Canna Roots are wanted by parcel post, add 10c. per doz. for mailing charges; plants travel best by express.

Testimonial on Michell's Plants

Manchester, Vermont.
I have a bed of Geraniums, "Helen Michell," in front of my house, with over 500 plants therein; it would do you good to hear the city people and tourists say, "Oh, isn't that grand! Gorgeous! Never saw anything like it."
A. H. DARLING.



New Canna, "Hungaria."

Canna Plants (Ready May 1st). All varieties not otherwise priced, 25c. each; doz., \$2.50; \$15.00 per 100.

Canna Roots. All varieties not otherwise priced on pages 92 and 93 for dormant roots are 15c. each; doz., \$1.50; \$10.00 per 100.

SPECIAL NOTICE.—Unless otherwise ordered Cannas will be furnished in roots as far as possible. When roots are exhausted we will supply plants after May 1st (at the prices quoted for plants). If Canna Roots are wanted by parcel post, add 10c. per doz. for mailing charges; plants travel best by express.

Cannas in Mixture (Dwarf)

We've a splendid mixture of the leading sorts which are splendid value. 10c. each; doz., \$1.00; \$7.00 per 100.

MICHELL'S SUPERB DAHLIAS

Our list this season has again been thoroughly revised, many of the older varieties of Dahlias have been omitted and superseded by others that are much superior. Where plants are offered these will be ready early in May, during which month they may be set out, although they are planted with great success all during June and July. The natural season for the Dahlia to be at its best is during September and October; in fact, effort to get superior blooms before that time should not be attempted. Dahlias like cool, moist nights which do not exist in July and August. To get large flowers the plants should be disbudded during June and July, while the August buds should be allowed to develop one on a stem. Don't fertilize Dahlias much until the bloom begins to develop.

Spade or plow the ground to a depth of about 8 inches. As a fertilizer use either well-rotted Stable Manure or, better still, Sheep Manure, which should be well mixed with the soil. When the soil is properly prepared, dig a hole, 6 inches deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to depth of 4 inches. Every Dahlia should have from 2½ to 3 feet space and at least 4 feet between the rows.

As soon as the plants are a foot above the ground, they should be tied to the stake.

Keep the ground well cultivated and free from weeds. An application of Sheep Manure and Bone Meal about every two weeks will be of greatest benefit.

Never leave more than one or two stalks in a hill. You will have better plants and larger flowers if you will allow only one sprout to grow.

ABOUT DAHLIA PLANTS. It happens sometimes that there is an unusually large demand for certain varieties, and our stock of roots becomes exhausted; in such instances we will send out strong plants after May 1st, after which time most all Dahlia orders are filled with plants.

CHOICE NEW VARIETIES

These varieties will be supplied in strong plants only, after May 1st.

- America** (Paeony). A beautiful combination of apricot orange; strong plants, ready in May, 50c. each.
- Aurore** (Paeony). Orange salmon, semi-double; very free blooming and a strong grower. The first autumn foliage tint in this class; strong plants, ready in May, 50c. each.
- Bianca** (Paeony). Shaped somewhat like a cactus variety, but is of stronger ingrowth; foliage and stem. It is a delicate shade of lavender pink; strong plants, ready in May, 50c. each.
- California** (Paeony). Rich deep yellow; very free bloomer; strong plants, ready in May, 50c. each.
- Creation** (Paeony). Cherry red, overlaid golden bronze; a unique color combination; the flower is of medium size, but splendid shape; strong plants, ready in May, 50c. each.
- Diana** (Paeony). A gigantic flower of beautiful form, pointed petals. Rich crimson with violet reflex, 50c. each.
- Dream** (Decorative). A most conspicuous shade of salmon with an amber glow. The form is perfect, flower standing erect on long stout stems; very free bloomer; strong plants, ready in May, 50c. each.
- Eveque** (Decorative). Bright purplish violet; an elegant variety; fine for cutting or massing in the garden; strong plants, ready in May, 50c. each.
- Gypsy** (Decorative). A giant flower measuring frequently 7 inches in diameter; the plant is of robust habit. Flowers are similar to Geisha, except we would call it a decided improvement; strong plants, 50c. each.
- Jonkherr Boreel** (Decorative). A large showy flower resembling the variety King of Autumn; strong plants, ready in May, 50c. each.



Show Dahlias, "Mrs. Roosevelt" (see page 97)

- King of Autumn.** An introduction by Mr. Hornsveld, the eminent Dutch dahlia hybridizer. Buff yellow, suffused terra cotta, a splendid decorative variety and a winner at every show; strong plants, ready in May, 50c. each.
- Mrs. Crawford C. Madeira.** A gigantic flower, sometimes 8 inches in diameter, white suffused flesh pink; the stems are long and very stiff. An excellent cut flower which keeps fresh a long time after being cut. (Decorative). Strong plants, ready in May, 50c. each.
- Paul Grampel** (Decorative). Brilliant scarlet; really the best in its color and class. As a cut flower it is superb, being of wonderfully uniform shape; strong plants, ready in May, 50c. each.
- Princess Mary** (Paeony). Vivid pink, margined blush, a mass of bloom throughout the season; strong plants, ready in May, 50c. each.
- Yellow King.** This is briefly described or referred to as the finest paeony flowered variety ever shown; an excellent flower on long stiff stems. Strong plants, ready in May, 50c. each.

Testimonials on Michell's Plants

Williamsport, Pa.
Please send the enclosed list of plants. Those sent in April arrived in fine condition, and are especially satisfactory.
A. W. GREELY.

Wilkinson, W. Va.
The Roses arrived in beautiful condition and I am well pleased.
MRS. T. F. DOWNING.

MICHELL'S SUPERB DAHLIAS

95

DAHLIA PLANTS

As the season advances, our stock of some varieties in roots becomes exhausted. On such orders we will send out strong plants after May 1st.

- A. D. Livoni** (Double Show). Clear pink, of splendid form; an old variety, but still a favorite.
- Apple Blossom** (Single). Delicate "appleblossom" pink tipped carmine red, a wonderfully free bloomer.
- Aristed Gurtler** (Cactus). Orange suffused scarlet, darker toward the centre, very narrow petals. 30c. each; doz., \$3.00.
- Australian** (Cactus). Brilliant rich purple suffused bright crimson.
- Autumn Glow** (Decorative). A large, perfect flower of excellent form; primrose-yellow with bronze shadings; fine for cutting.
- Ayesha** (Decorative). Of immense size. Clear pure sulphur yellow, of perfect form with long, erect flower stems. 35c. each; doz., \$3.50.
- Bertha Von Suttner** (Paeony). Ivory white centre, shaded lighter toward edge; suffused delicate pink; beautifully twisted and curled petals. 35c. each; doz., \$3.50.
- Bessie Clark** (Double Century). Mauve pink toward the end of season. The centre shows a suffusion of golden yellow. 35c. each; doz., \$3.50.
- Capstan** (Cactus). Yellow, shading to orange scarlet.
- Catherine Duer** (Decorative). Bright iridescent crimson scarlet; a large, perfect flower.
- Chas. Lanier** (Double Show). Enormous flowers of perfect form and outline; rich amber shaded buff.
- Countess of Lonsdale** (Cactus). Profuse bloomer; rich salmon pink.
- Country Girl** (Cactus). One of the finest varieties for cutting and garden decoration; golden yellow, suffused salmon pink.
- Crimson Giant** (Decorative). Rich glowing crimson, immense flowers and a free bloomer.
- Cuban Giant** (Double Show). Rich maroon; almost ball shaped; very large; an early bloomer. 30c. each; doz., \$3.00.
- C. W. Bruton** (Decorative). One of the freest bloomers; an old variety, but hard to eliminate from the list. Always in demand. Rich canary yellow.
- Delice** (Decorative). Beautiful rose pink; a splendid large flower; still popular, though not new. 30c. each; doz., \$3.00.
- Dorothy Peacock** (Double Show). A beautiful pale lilac rose with a white centre; a profuse bloomer with long, erect stems.
- Dreer's White** (Double Show). Plants only. A fine, large flower; of beautiful form; pure white; long stemmed. 40c. each; doz., \$4.00.



MICHELL

Decorative Dahlia, Madame van den Dael (see page 97).



- E. F. Hawes** (Cactus). A pretty shade of clear salmon pink; long stemmed.
- Emily** (Show). Solferino, marked white; large flowering.
- Etendard de Lyon** (Cactus). Large massive blooms, often 6 inches; on strong stems; profuse and early bloomer. Reddish violet overlaid Tyrian rose. One of the finest dahlias in existence. Broad, curled petals. 75c. each; doz., \$7.50.
- Flamingo** (Decorative). Of beautiful form, sometimes showing an open centre; color violet rose; overlaid Tyrian rose; very free, early bloomer. (Plants only.) 35c. each; doz., \$3.50.
- Flora** (Cactus). Pure white, long stemmed flowers.
- Floradora** (Cactus). Flower of immense size, with claw-like petals curved inward; distinct blood red; free bloomer.
- F. W. Fellows** (Cactus). Orange red, with very long petals; free bloomer; a splendid newer sort. 50c. each; doz., \$5.00.
- Galathea** (Cactus). A distinct flower; soft violet rose shaded mauve.
- Geisha** (Paeony). One of the most striking varieties, being a combination of scarlet and gold, which varies or alternates with each petal; probably one of the most artistic dahlias in cultivation. 50c. each; doz., \$5.00.
- Geisha Superba** (Paeony). Similar in every way to Geisha offered above; the flower, though, is more double. 60c. each; doz., \$6.00.
- Gen'l Buller** (Cactus). Rich velvety crimson, tipped white; fine flower.
- Germania** (Paeony). Bright, glowing crimson; long, stout stems; attractive and showy.
- Gloire Lyonnaise** (Decorative). Golden yellow tipped rosy carmine.
- Golden Eagle** (Cactus). Incurved flower; very large; pleasing golden buff; very distinct.
- Golden Gate** (Cactus). Very large flower; deep golden yellow, suffused fawn. 35c. each; doz., \$3.50.
- Golden Plover** (Cactus). Of neat, perfect form, with long, stout flower stems; bright yellow; shaded darker on the older petals.
- Goldland** (Cactus). Primrose yellow; excellent form, free bloomer.
- Great Britain** (Decorative). Clear mauve; extra large flowers.
- Gretchen Heine** (Pompon). Carmine rose, long stemmed; good form.

PRICE.—All Dahlias on this page unless otherwise noted are 25c. each; doz., \$2.50; \$18.00 per 100.

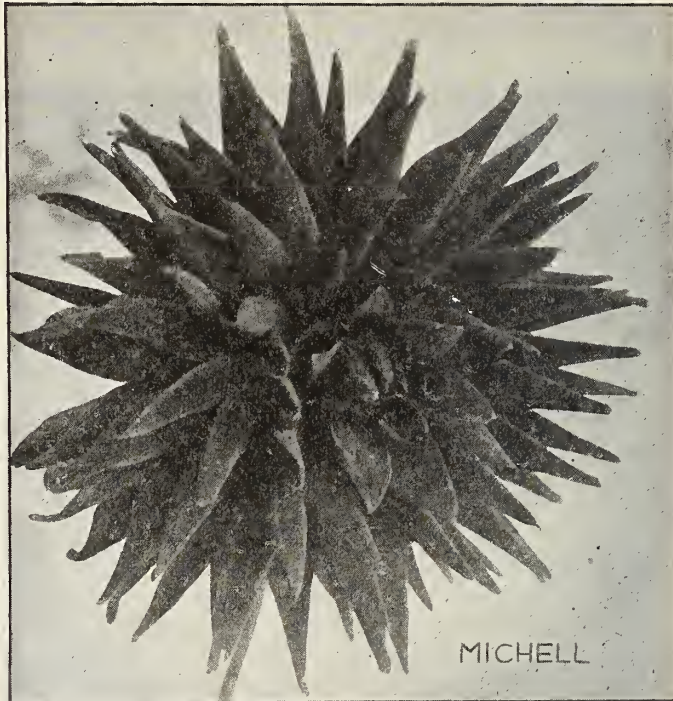
MICHELL'S SUPERB DAHLIAS



Decorative Dahlia, Autumn Glow, see page 95.

- Hampton Court** (Paeony). Beautiful mauve pink; one of the most showy of the paeony flowered types. 30c. each; doz., \$3.00.
- Helvetia** (Single). A beautiful combination of red and white, resembling the colors of the Swiss flag. 35c. each; doz., \$3.50.
- Hortulanus Budde** (Paeony). Very free bloomer; a beautiful shade of rich orange red; very large flowers, of good form on long, stiff stems. 50c. each; doz., \$5.00.
- Hortulanus Fiet** (Decorative). Enormous flowers, often 8 inches across; delicate shrimp pink; petals tipped golden yellow. 60c. each; doz., \$6.00.
- H. W. Sillem** (Cactus). Brilliant vermilion scarlet, very long petalled flowers.
- Indian Chief** (Pompon). Crimson; fine form.
- Jack Rose** (Decorative). One of the most free-flowering and perfect formed Dahlias. The flowers are rich crimson on stiff wiry stems; excellent for cutting.
- Jack** (Single). Very bright red; long stemmed.
- J. H. Jackson** (Cactus). One of the largest of the cactus varieties, large, rich velvety maroon.
- John Riding** (Cactus). Enormous flowers of splendid incurved form. Its exceptional size, perfect form, great depth and deep rich crimson color places this variety in the front rank. 35c. each; doz., \$3.50.
- John Walker** (Show). Snow white, of perfect form; very free bloomer.
- John Wanamaker** (Paeony). One of the largest and most handsome of Dahlias, being an exquisite shade of rosy lake, called orchid pink. 50c. each; doz., \$5.00.
- Kalif** (Cactus). Very large, pure scarlet. A strong plant producing the giant flowers freely on long, stiff stems, quite easily one of the best sorts in cultivation. Plants only, 75c. each; doz., \$7.50.
- K. A. Victoria** (Decorative). A beautiful compact growing, pure white variety, making a splendid cut flower.
- Kismet** (Cactus). A distinct new variety; color cerise with rosy shading at tips. Excellent form, the florets being narrower than usual, tightly tubular and perfectly incurved. Plants only. 35c. each; doz., \$3.50.
- Klein Domitea** (Pompon). Salmon buff; very profuse bloomer of fine form.
- Kriemhilde** (Cactus). Delicate soft pink, with a distinct white centre, an old favorite.

- Lawine** (Cactus). An exquisite variety of excellent form and enormous size. It is a glistening white, but occasionally a flush of blush is found on some flowers.
- Le Grand Manitou** (Decorative). A gigantic flower of excellent form, beautiful shade of violet, mottled and striped purple. 50c. each; doz., \$5.00.
- Lord Minto** (Cactus). Pale yellow, shaded soft rosy salmon at end of petals. Very symmetrical flowers with long, quilled petals. Splendid for cutting.
- Lorna Doone** (Cactus). This beautiful variety is especially suitable for garden decorations or for cutting. It is of splendid Cactus form; grows erect, not too tall. The greater part of the flower is carmine pink, shaded yellow at the base. 50c. each; doz., \$5.00.
- Lyndhurst** (Decorative). A fine cutting variety and a great bloomer; bright scarlet.
- Mad. Henry Cayeux** (Cactus). The best of all Cactus Dahlias. The flowers are gigantic; the florets are very narrow and come to a needle point. The centre of the flower is pure white, the petals are most delicate rose pink. Splendid cut flower.
- Mad. A. Lumiere** (Decorative). White, tipped bright violet red.
- Marjorie Castleton** (Cactus). Rosy pink, tinted lighter toward the centre and tips.
- Mondsheibe** (Paeony). Soft yellow, long, stiff stems; a splendid cut flower. 75c. each; doz., \$7.50.
- Marathon** (Cactus). Brilliant rich purple, very distinct color and of exquisite form.
- Maurice Rivoire** (Collarette). Blood red, with deeper stripes down the centre; pure white, fringed collar.
- Mauve Queen** (Cactus). Long incurved petals; clear mauve, shaded lighter toward centre.
- Melody** (Cactus). The most distinct of our new sorts and the most admired by all who have seen it. Color, clear yellow for half the length of the florets, the remainder being pure white. Of typical Cactus form. 35c. each; doz., \$3.50.
- Mina Burgle** (Decorative). A rich luminous, dark scarlet on long, stiff stems; splendid both for cutting and garden decoration; free-flowering. 35c. each; doz., \$3.50.
- Miss Minnie McCullough** (Decorative). Superb soft yellow, overlaid bronze.
- Miss Stredwick** (Cactus). One of the finest Cactus Dahlias; soft yellow at base, changing to deep pink; long flower stem. 35c. each; doz., \$3.50.



Cactus Dahlia, Rene Cayeux (see page 97)

PRICES unless otherwise noted all Dahlias offered on this page are 25c. each; doz., \$2.50; \$18.00 per 100.



Paeony-Flowered Dahlia, Hampton Court (see page 96).

Miss Willmott (Cactus). A grand cut flower and splendid for garden decorations. Reddish apricot, shading to golden yellow at the centre.

Mlle. Marie Doucet (Cactus). One of the freest flowering varieties. Color a lively mauve pink, shading to white at the centre. **Mme. van den Dael (Decorative).** Shell pink, shaded deep rose. The shape of the flower is perfect and lasts well when cut.

Mrs. Alfred Dyer (Decorative). Centre, pale lemon yellow, deepening to a soft pink, petal tips almost white; of dwarf growth, and a free bloomer. 35c. each; doz., \$3.50.

Mrs. Chas. Turner (Decorative). Clear canary yellow; very profuse bloomer.

Mrs. H. J. Jones (Cactus). Brilliant scarlet, edged blush white. The flowers are of exquisite form. 35c. each; doz., \$3.50.

Mrs. Henry R. Wirth (Cactus). Rich brilliant scarlet, of wonderful free-flowering habit. 35c. each; doz., \$3.50.

Mrs. J. Gardner Cassatt (Decorative). This variety is one of the finest ever introduced. The color is most exquisite, a deep rose shade. Excellent for cutting, having a long, stiff stem.

Mrs. Reginald Bailey (Cactus). Immense size, splendid form with long, narrow, incurved petals; color, brilliant glistening crimson; early and continuous bloomer. The finest crimson Cactus.

Mrs. Roosevelt (Decorative). The flowers of this popular variety have a very distinct form, having large fluted petals flatly arranged. The color, an exquisite daybreak pink, is not approached by any other sort. 50c. each; doz., \$5.00.

Model (Cactus). Quite a model of neatness and true cactus form. The florets incurve with perfect regularity. The color is soft yellow at base, gradually deepening to clear pink, then yellow again at the tips. 50c. each; doz., \$5.00.

Nerthus (Cactus). Rich bronzy orange yellow, shading to carmine-rose at the tips, the whole suffused with a glowing golden color. 35c. each; doz., \$3.50.

Newport (Decorative). Soft delicate pink; later in the season it takes on a deeper shade. Might be classed as a cross between a decorative and a paeony flowered type, as it resembles both. (Plants only), 35c. each; doz., \$3.50.

Nibelungenhort (Cactus). Immense flowers, 7 to 8 inches across, rich golden apricot, suffused old rose; very free bloomer on long, stiff stems. 60c. each; doz., \$6.00.

Perle de Lyon (Decorative). A pure white exhibition variety of great value. The petals are fringed or nitched, giving a unique appearance. The flowers are perfect in form, and produced on long, stiff stems.

Phoenix (Cactus). A bold, large flower of rich carmine red; very attractive and large-flowering; splendid cut flower.

Poinsettia (Duplex Century). Rich scarlet, a very beautiful flower, petals resembling in form the Christmas plant of the same name. 30c. each; doz., \$3.00.

Princess Bonnie (Double Show). Creamy white, tinted dainty pink, not new, but still in popular demand.

Queen Emma (Paeony). A charming shade of soft rose pink, the inner petals banded with gold. A beautiful variety and vigorous grower.

Queen Wilhelmina (Paeony). One of the finest white Paeony Dahlias, producing flowers on exceedingly long stems, well above the foliage; excellent for decorative purposes. 35c. each; doz., \$3.50.

Record (Cactus). A fine variety with large oriental-red flowers; perfect form; excellent for cutting. 50c. each; doz., \$5.00.

Rene Cayeux (Cactus). Rich geranium red; splendid for cutting.

Rhein Koenig (Cactus). A splendid exhibition variety. The giant flowers, which often measure 5 to 6 inches in diameter, are glistening snowy white. Flowers appear early and continue in such profusion that the foliage is almost hidden with the blooms. 35c. each; doz., \$3.50.

Prince of Yellows (Cactus). Canary yellow, of splendid form; a splendid cut flower.

Rheingau (Cactus). Enormous flowers, produced freely on long stems, far above the foliage, of rich brilliant scarlet.

Rheinischer Frohsinn (Cactus). Large flowers of exquisite form; long incurved petals, white at the base, becoming suffused at half their length with bright carmine rose. 75c. each; doz., \$7.50.

Richard Box (Cactus). Clear light yellow; of perfectly incurved form. 35c. each; doz., \$3.50.

Riessen Edelweiss (Paeony). Pure glistening white of gigantic size. 35c. each; doz., \$3.50.

Rosepink Century (Century). Of a beautiful rose pink color. The plant is an exceptionally free bloomer, producing well shaped flowers on long stems well above the foliage.

Schneekoening (Cactus). A magnificent pure white, of large size. Ideal form, and splendid quality; the flowers are held well above the foliage. 40c. each; doz., \$4.00.

Serenade (Cactus). Broad tapered petals, rosy pink, shaded white toward centre. 40c. each; doz., \$4.00.

Sherlock (Cactus). Orange scarlet, suffused apricot; the flowers are very large and are borne in great profusion on long, stiff stems; fine for cutting.

Snowclad (Pompon). A fine pure white, of excellent habit.

Souvenir de Gustave Doazon (Decorative). One of the largest decorative Dahlias, measuring often 8 inches in diameter. Color is a beautiful red. The flowers are of most perfect form.

Stability (Cactus). Flowers perfectly full in centre and of good cactus form, their pretty pink color showing to great advantage.

St. George (Single). Primrose yellow, very attractive.

Success (Cactus). Of a bright canary yellow, with fine needle-like petals. It is an early and free bloomer and will give splendid satisfaction.

Sweetbrier (Cactus). One of the loveliest shades of clear soft pink; very long narrow incurved petals. 35c. each; doz., \$3.50.

Sylvia (Decorative). Deep pink, tinting to flesh color at centre; large perfect form, on long stiff stems.

Thais (Cactus). Pure white, suffused mauve; a beautiful combination. 50c. each; doz., \$5.00.

Tricolor (Cactus). The ground is golden yellow, while each petal is marked scarlet.

Twentieth Century (Single). Intense rosy carmine, with white tips and white disc around the yellow centre.

White Century (Century). Pure white, with large heavy petals. Profuse bloomer.

Wildfire (Single). Brilliant scarlet; very large flower.

Wild Fire Century (Single). Cochineal red, shaded orange scarlet, very dwarf.

Wm. Agnew (Decorative). Very large flowers of glistening scarlet crimson; blooms early and lasts until frost; splendid for cutting.

Wodan (Cactus). Old gold at centre, shading to salmon pink; flowers very large and beautifully formed.

PRICES of all Dahlias offered on this page: 25c. each; doz., \$2.50; \$18.00 per 100.

UNNAMED DAHLIAS			
	Each	Doz.	100
Double White	\$0.15	\$1.50	\$10.00
Double Red .....	.15	1.50	10.00
Double Yellow .....	.15	1.50	10.00
Double Mixed, all colors .....	.15	1.50	10.00
Double Pink .....	.15	1.50	10.00
Single Mixed, all colors .....	.15	1.50	10.00
Cactus Mixed, all colors .....	.15	1.50	10.00

MICHELL'S SUPERB GLADIOLI (Bulbs)

What a wonderful stride the *Gladiolus* has made during recent years. Its popularity today is exceeded by few other flowers, and it has by no means reached its limit. And there are good reasons for this popularity. Failure with it has never been known. *Gladiolus* will grow in any open position and bloom well. They are not only showy in the garden, but when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

America. One of the best *Gladioli* in existence. The color is a beautiful flesh pink, tinged with lavender. The flowers are of the largest size, the petals are round, thick and strong, and will last a long time after being cut. 6c. each; doz., 50c.; \$3.50 per 100.

Attraction. Immense flowers of a most pleasing deep rose, with white throat. 6c. each; doz., 50c.; \$3.50 per 100.

Augusta. Producing graceful, slender stems, which are dressed with beautiful flowers of pure white, slightly tinged and striped pink, which open all at one time. 6c. each; doz., 50c.; \$3.50 per 100.

Baron Hulot. Large flowers, well arranged on long spikes. Color is a deep indigo blue, slightly marked white at the base of the throat. 6c. each; doz., 60c.; \$4.25 per 100.

Brenchleyensis. One of the best for bedding or planting in front of shrubbery. The flowers are of a vermillion scarlet color. 4c. each; doz., 40c.; \$2.50 per 100.

Brilliant. Beautiful orange red, with carmine and white throat; a gigantic flower on a tall, stiff stem. 8c. each; doz., 85c.; \$6.00 per 100.

Canary Bird. Fine canary yellow, a shade that is pleasing, massive spikes closely set with flowers. 12c. each; doz., \$1.25; \$9.00 per 100.

Cardinal. Of the brightest and most intense cardinal red; rich and showy, and considered one of the finest. 20c. each; doz., \$2.00; \$12.50 per 100.

Charmer. Large flowers, soft mauve pink, blending off lighter in the throat, which is penciled carmine. 20c. each; doz., \$2.00; \$12.50 per 100.

Contrast. Intense dazzling scarlet flowers with a pure white band around each petal and a conspicuous marking of white in the throat. 40c. each; doz., \$4.00; \$30.00 per 100.

Eugene Scribe. A variety of great beauty. Large open flowers of a tender rose shade, blazed carmine. 8c. each; doz., 85c.; \$5.50 per 100.

Europa. Gigantic flowers of purest white without a trace of any other color. Spike averages 25 blossoms. It has received highest awards at every exhibition where shown. 20c. each; doz., \$2.00; \$15.00 per 100.

Fire King. Long graceful spikes showing half a dozen immense blooms open at the same time. Color, intense scarlet. 10c. each; doz., \$1.00; \$6.00 per 100.

Glory of Holland. A splendid pure white variety with no trace of other color except lavender anthers. 15c. each; doz., \$1.50; \$10.00 per 100.

Halley. Very large, well expanded flowers of a lovely salmon pink; the lower segments are blotched yellow with carmine markings; robust grower. 6c. each; doz., 50c.; \$3.25 per 100.

I. S. Hendrickson. A beautiful irregular mottling of white and rose; in some the pink and in others the white predominates. 15c. each; doz., \$1.50; \$10.00 per 100.

Jean Dieulafoy. One of the earliest creamy white blooms, with a blotch of red in the throat. 15c. each; doz., \$1.50; \$10.00 per 100.

Klondike. The flowers are of medium size and of great substance; clear primrose yellow with a crimson blotch in the throat. Of dwarf habit. 6c. each; doz., 50c.; \$3.50 per 100.

May. A strong, vigorous grower; a fine white delicately flecked crimson; slender spike. 5c. each; doz., 50c.; \$3.50 per 100.

Mrs. Francis King. A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers, 6 to 8 being open at one time. 5c. each; doz., 50c.; \$3.00 per 100.

Mrs. Frank Pendleton, Jr. One of the most exquisitely colored and formed *Gladioli* in our entire list. The color is a delicately flushed salmon pink, extending to the reverse side of the petal, as well as in the centre. The blooms are wide open and are arranged individually on very wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. 15c. each; doz., \$1.50; \$10.00 per 100.

Melrose. White flaked pink, bright crimson centre. Very large and fine. 20c. each; doz., \$2.00; \$12.50 per 100.

Negerfurst. Very dark blood black, with velvety black spots; inflamed with white and flaked lilac-rose. 30c. each; doz., \$2.75; \$20.00 per 100.

Niagara. A shade of rich cream combined with canary yellow. The individual flowers are very large and borne in pairs opposite each other. 10c. each; doz., \$1.00; \$7.50 per 100.



NAMED SORTS (Continued)

Panama. For form and habit, it has all the desirable features of the variety "America," but the wonderful color can best be described by comparing it with that of the popular rose, "Mrs. Jno. Laing, an incomparable rose pink. 10c. each; doz., \$1.00; \$7.00 per 100.

Peace. A grand pure white flower with just a slight marking of a lilac feather on the lower petal. The plant is very robust, 5 feet high and shows enormous flowers well placed all along the stem. 10c. each; doz., \$1.00; \$6.00 per 100.

Pink Perfection. Rose pink; with 8 to 10 flowers open at one time. The flowers are well expanded and of the most perfect form. 10c. each; doz., \$1.00; \$7.00 per 100.

Primulinus. Very thin, wiry slender stems, decked with clear canary yellow flowers of medium size. 15c. each; doz., \$1.50; \$10.00 per 100.

Primulus Major Hybridus. From the purest and lightest of yellow, it varies to the deepest orange, and from the softest shade of salmon pink down to rich crimson; also a few white. Dainty blotches in the throat add to their beauty. 6c. each; doz., 50c.; \$3.00 per 100.

Ruby King. Compact spike, tall and graceful, of great substance and of an intense dark ruby red. 10c. each; doz., \$1.00; \$7.00 per 100.

Scarsdale. Long, graceful spikes of wide open flowers of a very pleasing lavender shade. 10c. each; doz., \$1.00; \$6.00 per 100.

Scribe. Soft rose, shaded carmine; large open flowers of great beauty. 10c. each; doz., \$1.00; \$6.00 per 100.

Shakespeare. A very dainty white; slightly suffused rose. Well opened flowers. 10c. each; doz., \$1.00; \$6.00 per 100.

Sulphur King. It produces, on a very long spike, flowers of the clearest sulphur yellow. The foliage is exceptionally broad and of a beautiful deep green color. 25c. each; doz., \$2.75; \$20.00 per 100.

War. One of the largest flowered sorts; deep blood red, shaded crimson. 15c. each; doz., \$1.50; \$10.00 per 100.

UNNAMED GLADIOLI (In Separate Colors)

	Each	Doz.	100	1000
White and Light Shades	\$0.04	\$0.40	\$2.75	\$22.50
Yellow in all Shades .....	.06	.65	4.50	40.00
Scarlet .....	.04	.35	2.25	20.00
Pink .....	.04	.40	2.75	25.00
Striped and Variegated .....	.05	.50	3.50	30.00

MIXTURES OF GLADIOLI

Giant Flowering. Every bulb for this mixture has been selected with utmost care for coloring and size of flower; no other mixture can boast of such careful selection. It is principally grown in our own nursery. 5c. each; per doz., 50c.; \$3.50 per 100; \$30.00 per 1,000.

	Each	Doz.	100	1000
Groff's New Hybrids. Extra fine...	\$0.04	\$0.40	\$2.50	\$22.50
Lemoines Butterfly. Brilliant varieties	.04	.35	2.25	20.00
Childsii. A distinct mammoth type..	.05	.50	3.50	27.50
Extra Choice. All colors mixed.....	.03	.30	1.75	15.00

SILVER TROPHY STRAIN MIXTURES

A very superior selection of what is generally known as mixture, and offers the opportunity to do one's planting in shades of the same character.

Section 1. This embraces all the shades of scarlet, red and crimson. 5c. each; per doz., 40c.; \$2.50 per 100.

Section 2. The cream of all the yellow, pink, white and light shaded colors. 7c. each; per doz., 60c.; \$3.50 per 100.

Section 3. Lilac, heliotrope, violet and all the shades of light and dark blue. 7c. each; per doz., 75c.; \$4.00 per 100.

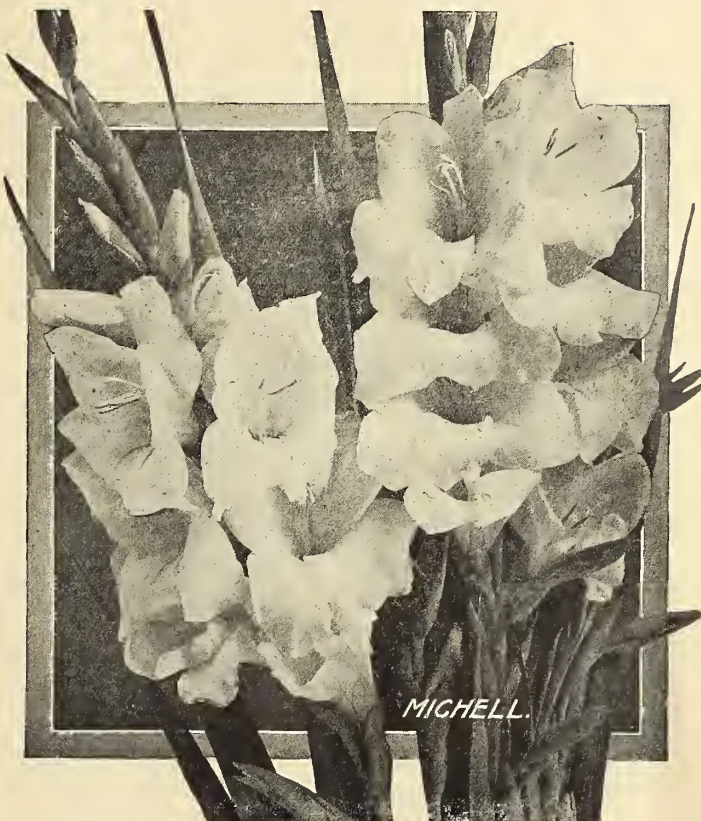
GOLD MEDAL STRAIN MIXTURES

This strain which is offered in mixtures of distinct shades originated with the celebrated Gladiolus Specialist, Mr. Groff. Large flowers, rarer colors, ideal stems and types of extended flowering period. These are equal to the best named varieties, but simply have never been christened.

Section 1. All shades and combinations of red, scarlet and crimson. Each 12c.; \$1.25 per doz.; \$7.00 per 100.

Section 2. Contains all the finest shades of yellow, delicate pink, rose and white. Each 15c.; \$1.50 per doz.; \$10.00 per 100.

Section 3. This embraces all the shades of blue, heliotrope, mauve, lilac and similar colors. Each, 20c.; \$2.00 per doz.; \$12.50 per 100.



Gladioli America



Gladioli E. Scribe

MICHELL'S SUMMER FLOWERING BULBS AND PLANTS

COSMOS (Ready in May)

Michell's Giant Flowering Strain, producing enormous long-stemmed flowers late in the autumn.
Pink, White, Red, each color separate. 3-inch pot-plants, 10c. each; doz., \$1.00; \$7.00 per 100.

DAHLIA ROOTS AND PLANTS

See pages 94 to 97

DAISY (Ready in April)

These are especially desirable for early spring bedding before it is possible to set out most other plants. Intermingled with Pansies and Forget-Me-Nots (the latter being set out at the same time), they form an attractive combination.
Giant Flowering English, Pink, White, Red, each separate, 10c. each; \$1.00 per doz.; per 100, \$7.50.

DRACAENA (Fountain Plant) (Ready in May)

Indivisa. Attractive, used as a centrepiece for a round bed, urn or vase and in cemetery work. Strong plants; 6-inch pot-plants, \$1.00 each.

FUCHSIA (Lady's Ear Drop) (Ready in May)

The pretty bell flowers, both single and double, appear abundantly. The plants should be set in a semi-shaded location.

Choice named sorts in mixture.

3-in. pots, 20c. each; doz., \$1.75; 100, \$12.00.

GERANIUMS (Ready in May)

Our stock of these is in 4-inch pots, very bushy, well shaped, carefully grown.

Alphonse Ricard. Bright scarlet, double.

Beaute Poitevine. Salmon pink, very double.

Helen Michell. Bright rich scarlet, gigantic flower; to date the very best of its color. 30c. each; doz., \$3.00; \$20.00 per 100.

La Favorite. Double, pure white.

Mrs. E. G. Hill. Soft salmon pink, single flowers.

S. A. Nutt. Rich crimson, double.

Price (except where noted) of any of the above Geraniums, extra fine stock, 4-inch pots, 25c. each; doz., \$2.50; \$17.50 per 100.

GLADIOLUS (See Pages 98 and 99)

HELIOTROPE (Ready in May)

This is a mass of flowers all summer; the fragrance cannot be approached by any other annual plant.

Centefleur. Large trusses of rich deep violet blue.

4-inch pot-plants, 20c. each; doz., \$2.25; 100, \$15.00.



Geranium "Helen Michell"



Ismene Calathina

MARIGOLD (Ready in May)

These are favorites in all old-fashioned gardens, in bloom from early summer until frost.
Eldorado. Orange yellow.

20c. each; doz., \$1.50; \$10.00 per 100.

SUMMER HYACINTH

(*Hyacinthus Candicans*)

In July and August they produce spikes about 2 feet long, which are covered with bell-shaped white flowers. Large bulbs, 7c. each; doz., 75c.; \$5.00 per 100. Parcel Post Weight, 2 lbs. per doz.

HYDRANGEAS (See Page 116)

IVY (Parlor) Ready in May

Fine for window boxes, hanging baskets, etc.; green foliage; 3-inch pots. 20c. each; doz., \$1.50; \$8.50 per 100.

ISMENE CALATHINA (Pancratium Lily or Peruvian Daffodil)

One of the choicest of our summer flowering bulbs, blooming profusely during the summer, flowers a beautiful waxy white and deliciously fragrant. Large bulbs, 15c. each; doz., \$1.50; \$10.00 per 100. Parcel Post Weight, 2 lbs. per doz.

LANTANA (Ready in May)

Excellent bedding plants, thriving best in the full sun; the shades of orange and yellow, so effective in bedding.

Radiation. Brilliant red with orange yellow centre. 3-inch pot plants. 20c. each; doz., \$1.50; \$10.00 per 100.

LEMON VERBENA

(*Aloysia Citriodora*). Ready in May

Pointed green lemon scented foliage, fine for mixing among cut flowers; as a winter house plant these are also very satisfactory. 3-inch pots. 20c. each; doz., \$2.00; \$15.00 per 100.

LOBELIA (Ready in May)

Blue flowering plant, for edging and hanging baskets; when ordering, state purpose for which they are desired.

Compacta. For bedding, edging, etc. 3-in pot plants.

Speciosa. Trailing variety for baskets, urns, etc.

Price of either of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

AMERICAN OR NATIVE LILIES

	Each	Doz.	100
Canadense (Canadian Bellflower Lily). Bright yellow bell-shaped flowers; spotted black inside; June and July; 2 feet	\$0.20	\$2.00	\$15.00
Canadense Rubrum . Same as above, crimson with black spots .....	.30	3.00	17.50
Elegans, Leonard Joerg . Rich apricot pink .....	.20	2.00	12.50
Hansoni . Often grows from 3 to 5 feet high, flowers reddish orange 8 to 12 in a cluster; petals thick and durable .....	.75	7.50	50.00
Henryi (New and Rare). Tall grower, often 7 feet; producing flowers of a distinct orange yellow in great profusion .....	.75	7.50	
Superbum (Turk's Cap Lily). One of the best lilies for all purposes; will succeed everywhere; according to location, will grow from 3 to 6 feet high and produce from 15 to 25 nodding brilliant orange red flowers on a single stalk during July .....	.25	2.50	12.50
Tenuifolium (Coral Lily). Brilliant scarlet, bell-shaped flowers, of rather small size, hang downward on a small but gracefully formed tree-like plant; splendid for edges of borders, rockeries or cutting; foliage very slender; flowers in May .....	.20	2.00	12.50
Umbellatum . A showy, massive lily, flowering in June; the broad, open flowers appear upward from 5 to 8 on a stout stalk, 3 feet high; color, a glowing orange scarlet; most effective when planted in clumps .....	.20	2.50	12.50

P. S.—For the present, importation of Japanese Lily bulbs is not allowed.

MYOSOTIS (Forget-Me-Not)

Ready after April 10th. Stock usually exhausted May 15th.

Alpestris Victoria. Dwarf blue.

15c. each; doz., \$1.50; \$10.00 per 100.

MONTBRETIA

A beautiful flowering bulb resembling a miniature Gladiolus, absolutely hardy, and only effective if planted in masses from 50 to 100 bulbs in a clump. They are fine for cutting, being very showy, the orange scarlet and yellow shades being especially attractive. Height, 24 inches.

Aurantiaca. Deep golden yellow.

Crocsmiaeflora Type. Scarlet and yellow.

Etoile de Feu. Vermilion with yellow centre.

Germania. Orange scarlet. 5c. each; doz., 50c.; \$2.50 per 100; per 1000, \$20.00.

Pottsi. Large, orange scarlet.

Speciosa. Golden yellow.



Montbretia

Rayon d'Or. Light yellow, spotted brown.

Any of the above (except where noted), 5c. each; doz., 50c.; 100, \$3.00; 1000, \$25.00.

OXALIS (Summer Blooming)

Splendid border plants around flower or foliage plant beds.

Deppii. White, small flowers.

Lasiandra. Pink flowers. Either of the above 2c. each; doz., 20c.; \$1.25 per 100.

PANSIES

Michell's Giant Exhibition Strain. It has often been remarked by customers that nowhere else can our Pansies be equaled for size of bloom and rich colors. Fine large plants in bud and bloom in mixed colors only; ready after April 1st. \$1.35 per doz.; 25 for \$2.50; \$10.00 per 100. Stock usually exhausted after May 15th.

PETUNIAS

Of the annual flowers, this is probably the most universally used; it can be put to a variety of uses, for bedding, baskets, window boxes or urns; they flower continuously.

Giant Single Strain. In mixed colors. 3-inch pot plants, 15c. each; doz., \$1.50; \$10.00 per 100.

Double Petunias in named sorts. 3-inch pot plants, 20c. each; doz., \$2.00; \$15.00 per 100.

PHLOX DRUMMONDI

These are a splendid bedding or border plant.

Dwarf. Red, White, Pink, each separate. 3-inch pot plants, 15c. each; doz., \$1.00; \$7.00 per 100.

PYRETHRUM

For edging flower beds and borders; very attractive.

Aureum. Fine light yellow foliage. 3-inch pot plants, 15c. each; doz., \$1.50; \$10.00 per 100.

SALVIA (Scarlet Sage)

No show of flowers can equal that produced by Scarlet Sage; it makes a blaze of color when massed or planted in beds that can be recognized at a great distance.

Bonfire. The best dwarf bedding variety. Strong pot plants, 15c. each; doz., \$1.75; \$12.50 per 100.

STOCKS (Gilliflower) 10 Weeks

Sweet-scented flowers, which are fine for cutting, or as a bed or border plant they are splendid.

Double Pink, White, Blue and Red. In separate colors. 4-inch pot plants, 20c. each; doz., \$2.00; \$15.00 per 100.

TUBEROSES

Beautiful pure white flowers appearing in August, of wonderful fragrance.

Double Pearl. Pure white. 5c. each; doz., 50c.; 100, \$3.50.

Double Pearl. Mammoth bulbs. 7c. each; doz., 75c.; \$5.00 per 100.

Albino. Single white. 5c. each; doz., 50c.; \$3.50 per 100.

Single bulbs mailed free, add 10c. per doz. for mailing larger quantities.

VINCA

Rosea. This is the flowering type used for bedding or vases; a bed or border planted with these is a beautiful sight; for either full sun or in partial shade they are well adapted. **Pink, White, Pink with White Eye**, each color separate. Pot plants, 20c. each; doz., \$2.00; \$15.00 per 100.

Major Variegata. A trailing plant used for hanging baskets and window boxes; green foliage mottled white. Extra strong pot plants, 25c. each; doz., \$2.50; 100, \$18.00.

ZEPHYRANTHES

(Fairy Lily)

A splendid pot plant for winter, of easiest culture. Planted outdoors in May, they flower the entire season. Each Doz.

Treata Rosea. Pink (Per 100, \$6.50) \$0.10 \$1.00

Treata Alba. White (Per 100, \$4.50) .06 .60

ZINNIAS

Michell's Giant Robusta Strain in mixed colors. Pot plants, 15c. each; doz., \$1.50; \$10.00 per 100.



Pearl Tuberose

MICHELL'S POT-GROWN HARDY ROSES

We have placed a letter adjoining each sort to denote its class. T indicates Tea Variety; HT indicates Hybrid Tea Variety; HP indicates Hybrid Perpetual.

SPECIAL DIRECTIONS FOR PLANTING AND CARING FOR ROSES

Open a good space in the soil and spread out roots; never cram them into a small hole. Do not let manure come in contact with roots, but place it underneath and a layer of soil on the top. If the rose is a bush plant, set it so deep that only branches are visible above the ground and never the main stem, but too deep is as bad as too shallow; 2 to 4 inches of the lower branches may be under the surface, but no more. If the plant is a budded or grafted rose, be sure that the bud or graft is fully 3 inches below the surface. Prune in spring only, when life is just apparent, and remove what might appear to be surplus wood. The strongest growth should be cut back to within six inches above the ground; the weaker growth to 4 inches. All soil above the roots should be well pressed down. Feed your roses with "Ground Bone" and "Pulverized Sheep Manure." Mulch the ground during summer with cow manure or with Peat Moss. As winter approaches draw soil 6 to 8 inches high around the stem; this avoids winter killing, especially the HT and T varieties, then cover with long manure or similar litter.

SPECIAL NOTE.—Many of the favorite varieties of Roses will no doubt be missed this year in our offer. This is due to the fact that arrangements for such stocks have to be made in Europe some time in advance of our catalog going to press. While the war was in progress, it was practically impossible to be assured of getting such stock over in good condition, so that prevented us from having our usual assortment last season. Peace was announced too late for us to take any action for this year, but we are hoping that for next season all these difficulties will have been smoothed out. We have endeavored to have our list of Roses as complete as circumstances would permit.



Betty

American Beauty (Climbing). A rose which has come to stay. It possesses the deep pink color of one of its parents (American Beauty), and also its very delightful fragrance. We have here a combination of qualities very rarely found in Climbing Roses. The plants often make canes 15 feet long in a season; the flowers are 3½ to 4 inches in diameter and produced in great profusion, not only during May and June, but off and on all summer.

American Pillar (Climbing). Single, flowers large, 2½ to 3 in. in diameter, of a rich shade of pink with a distinct white centre, produces immense clusters, being very showy and attractive. The growth is exceptionally strong, foliage a shiny dark green, and insect-proof. An additional attraction in autumn are the clusters of red seed berries.

Antoine Rivoire (HT). Exceptional bedding variety of excellent shape; flesh pink, shaded dark with a yellow cast at base of petals. 75c. each; doz., \$7.50; \$60.00 per 100.

A. R. Goodwin (HT). Rich coppery orange. It develops into soft pink, as the flower opens. Free vigorous bloomer. 75c. each; doz., \$7.50; \$60.00 per 100.

Aviator Bleriot (Climbing). An improved yellow Rambler, vigorous grower with dark green, glossy foliage, which seems to be immune to attacks of insects and disease. It produces large clusters of double, deep sulphur yellow flowers, darker yellow, almost an orange shade in the centre. It is a variety which will appeal instantly to all lovers of climbing roses.

Baron de Bonstettin (HP). Velvety red; almost black.

Betty (HT). A strong vigorous grower, with deliciously fragrant flowers of a coppery rose color, shaded golden yellow, very free. 75c. each; doz., \$7.50; \$60.00 per 100.

Blanc Double de Coubert (Rugosa). Large double, pure white.

British Queen (HT). A wonderful new variety, large pure white flowers. 75c. each; doz., \$7.50; \$60.00 per 100.

Cecil Brunner (Baby Rambler) (Sweetheart). It is difficult to imagine a more dainty rose than this. It is perfectly double, rosy pink on a cream white ground. It has a true tea-rose scent. For rose bowls or miniature vases this makes beautiful cut flowers.

Christine Wright (Climbing). One of the newer varieties, and a cross between the popular Hybrid Tea, Caroline Testout and a seedling. The color of the flower is a bright rose-pink, measures 3½ to 4 inches across, is of perfect form, beautiful in the bud and acceptable in the fully developed flower. During June it is at its best, but continues to give flowers throughout the entire season. This is sure to give satisfaction.

Conrad Ferd Myer (Rugosa). Double, light pink.

Crimson Globe (Mars). Rich deep crimson, large full flower.

Dorothy Perkins (Climbing). Pink flowers in long sprays which are very fragrant and lasting; a deservedly popular rose.

Dorothy Perkins (White Climbing). The best white Rambler Rose yet introduced, being an exact counterpart of Pink Dorothy Perkins, excepting color; a desirable rose. A variety that is practically immune from attacks of mildew.

Dr. Van Fleet (Climbing). Rich flesh pink, long pointed buds on stems 15 to 18 inches long, vigorous glossy foliage, a splendid variety.



MICHELL

Antoine Rivoire

Prices of Roses on this page (except where noted), 60c. each; doz., \$6.00; \$45.00 per 100.

(hb)

Duchess of Wellington (HT). Deep saffron yellow, inclined to orange; buds are long and pointed. 75c. each; doz., \$7.50; \$60.00 per 100.

Erna Terschendorff (Baby Rambler). The true scarlet Baby Rambler, decidedly the best colored one in this class which it holds well.

Etoile de France (HT). Intense brilliant crimson of fine fragrance, producing elegant pointed buds, which open an extra large flower. 75c. each; doz., \$7.50; \$60.00 per 100.

Excelsa (Climbing) (The Crimson Rambler par excellence). This variety supersedes to a great extent the older Crimson Ramblers, not only by reason of its intense crimson-maroon flowers, which are tipped with scarlet and are very large for a rose of this type, but because of its healthy lustrous foliage, which is free from mildew. It is very free-flowering, its blossoms breaking from almost every eye in clusters of from 30 to 40.

Frau Karl Druschki (HP). Pure white, very large, frequently called the White American Beauty.

Gardenia (Wichuriana). Bright yellow buds, which develop into a cream-colored flower.

Geo. Dickson (HT). Velvety black crimson, the back of the petals veined with deep pure crimson maroon. A perfect exhibition variety, the blooms often 5 inches across and it has wonderful lasting qualities. 75c. each; doz., \$7.50; \$60.00 per 100.

Hermosa (Bourbon T). Its compact-growing bush is a mass of bright pink flowers from June till frost. An excellent rose for cemetery planting.

Hiawatha (Climbing). Single brilliant scarlet, with a yellow circle around the centre, flowering in large clusters. Most dazzling and effective. The foliage is retained until very late in autumn and always presents a clean, bright green, healthy appearance; should be on every pergola, though it is also attractive when supported on a single stake.

Jessie (Baby Rambler). Bright orange red flowers, almost single, produced in clusters in great abundance.

Jonkheer J. L. Mock (HT). One of the richest roses in cultivation. The flower is perfect, being a grand shade of deep pink, while the outer petals are silvery rose. A free bloomer. 75c. each; doz., \$7.50; \$60.00 per 100.

Kaiserin Augusta Victoria (Climbing). This possesses all the qualifications of the dwarf Kaiserin, particularly the freedom of bloom, exquisite odor, and the fine shade of white. 75c. each; doz., \$7.50; \$60.00 per 100.

Katharine Zeimet (White Baby Rambler). Pure white, with yellow stamens; effective when planted in with pink or scarlet.



Laurent Carle

Killarney (HT). In shape nothing can approach this beautiful rose; its long perfectly shaped bud, which on the outside is of a delicate pink, unfolds a flower with a deeper pink on the inside. 75c. each; doz., \$7.50; \$60.00 per 100.

Lady Alice Stanley (HT). Deep rose, the inner petals are pale pink; large, fragrant flowers. 75c. each; doz., \$7.50; \$60.00 per 100.

Lady Ashtown (HT). Delicate rose with a trace of yellow at the petal base. The outer flower leaves expand, while the centre petals remain in exquisite bud form. 75c. each; doz., \$7.50; \$60.00 per 100.

Lady Gay (Climbing). Cherry pink buds, which when open are of a soft white color; very free flowering; extremely useful variety.

Lady Hillingdon (T). Deep coppery yellow and an attractive long bud. It is very free in growth and a continuous bloomer. 75c. each; doz., \$7.50; \$60.00 per 100.

Laurent Carle (HT). Carmine red; very fragrant, with large perfect flowers, which are produced all summer long. 75c. each; doz., \$7.50; \$60.00 per 100.

Louise Walter (Baby Rambler). Soft blush pink, almost the exact shade of the variety "Tausendschoen." The flowers are very large.

Madame Melanie Soupert (HT). Rich salmon yellow, tinged carmine and pink; an unusually fine flower. 75c. each; doz., \$7.50; \$60.00 per 100.

Madame Ravary (HT). A remarkable color, deep Nankeen yellow, turning lighter toward the centre; a large double flower. 75c. each; doz., \$7.50; \$60.00 per 100.

Magna Charta (HP). One of the largest; color, deep pink.

Maman Cochet (Pink) (T). In the vicinity of Philadelphia this rose is grown perhaps more than any other on account of its many good qualities. The individual large flowers are often on stems 2 feet long which makes it grand as a cut flower. The shade of color is a "Bridesmaid Pink."



Sunburst

Hardy Perennials and How to Grow Them. A comprehensive treatise of 48 pages, including plants for hardy borders, together with a complete list of varieties. This book is free. Send for a copy.

SPECIAL NOTE.—Where an order aggregates 25 roses or more, even though in varieties that are different in price, the 100 rate may be taken in pricing the order.

MICHELL'S POT-GROWN HARDY ROSES



Mrs. Jno. Laing

Mme. Caroline Testout (HT). One of the oldest and best varieties. The flowers are of a bright satiny rose shaded deeper in the centre; bud and flower are open or cup-shaped and are very double. 75c. each; doz., \$7.50; \$60.00 per 100.

Mme. Edward Herriot (HP) (Daily Mail Rose). Coral red, with yellow shadings at the stem, terminating in salmon red; a beautiful contrast of color, which brings out in great distinctiveness the strong individuality of this charming variety. It should be included in every collection of roses. Flowers are very large and double. 75c. each; doz., \$7.50; \$60.00 per 100.

Mrs. Aaron Ward (HT). A conspicuous rose on account of its coloring; as a bud it is deep Indian yellow, as it opens it adopts a broad margin of light yellow on the inner edge, when fully opened it is light yellow throughout. Very free bloomer, the flowers are exquisite. 75c. each; doz., \$7.50; \$60.00 per 100.

Mrs. George Shawyer (HT). A fine pink rose. Wonderfully free-flowering; strong, vigorous grower with massive blooms. 75c. each; doz., \$7.50; \$60.00 per 100.

Mrs. John Laing (HP). One of the older varieties, but still without a peer. Soft pink, very fragrant and full flowers. It has all the good qualities a rose should possess.

Mrs. W. Cutbush (Pink Baby Rambler). A cerise pink; a persistent bloomer, with very double flowers.

Ophelia (HT). A vigorous grower with salmon-flesh shaded pink flowers, which are of perfect shape and very large; long stiff stems, which make it ideal for cutting. 75c. each; doz., \$7.50; \$60.00 per 100.

Old Gold (HT). Coppery red, shaded apricot; a remarkable color. The foliage is heavy and the growth vigorous; it blooms very freely. 75c. each; doz., \$7.50; \$60.00 per 100.

Orleans (Baby Rambler). Rich brilliant red flowers, which turn to pink as they become older. The centre of the flower is white.

Paul Neyron (HP). Deep satiny rose, a giant flower.

Persian Yellow. Very hardy, producing medium sized flowers of a rich deep yellow. Very double.

Radiance (HT). A rose that will please everybody. Beautiful in form and free-flowering. Color is a brilliant carmine pink, shaded yellow at the base of the petals. 75c. each; doz., \$7.50; \$60.00 per 100.

Red Radiance (HT). A clear shade of red. A splendid bedding variety, having all the good qualities of its parent, the Pink Radiance. 75c. each; doz., \$7.50; \$60.00 per 100.



Ophelia

Testimonials

Sunbury, Pa.

In the past two years I have planted 149 roses and have not lost one. Those you sent me last year were fine.

J. B. HAUPT.

Mt. Morris, N. Y.

Plants arrived yesterday and I want to compliment you on the quality. They were carefully selected, well packed and arrived in fine condition.

E. C. SEYMOUR.



Dorothy Perkins

- Souvenir de President Carnot (HT).** Handsome large flower on a stiff erect stem. Easily one of the best in the Hybrid Tea class. Color, a delicate soft pink, changing to white. 75c. each; doz., \$7.50; \$60.00 per 100.
- Sunburst (HT).** Long pointed buds; golden orange flowers. 75c. each; doz., \$7.50; \$60.00 per 100.
- Tausendschon (Climbing).** We cannot too highly recommend this rose on account of its free-flowering qualities and its exquisite shade of soft pink, which changes to a rosy carmine when fully open. These flowers are borne in large sprays of from 10 to 15 flowers each, individual flowers measuring quite 3 inches across. For pergolas or pillars it has few equals.
- Richmond (HT).** A beautiful variety, a rich shade of crimson; should be in every collection, as nothing approaches it in form.
- Rugosa Alba.** Pure white, fine for hedges and shrubbery borders.
- Rugosa Rubra.** Deep red.
- Silver Moon (Climbing).** Gigantic pure white flowers (resembling somewhat a Clematis bloom), frequently 5 inches in diameter. This is the ideal climbing rose for planting along fences, while for pillar and trellis work it is equally satisfactory. It has a delicate rose scent, and the flower stems are frequently 15 inches long. The foliage is rich green, at times shaded bronze.
- Ullrich Brunner (HP).** Bright cherry red with large full flowers.
- Yvonne Rabier (Baby Rambler).** We believe this to be the best white Polyantha Rose yet; the marvelous freedom with which it blooms makes it a fine companion to "Orleans" and "Jessie." This rose is destined to be in great demand for bedding and massing; very perpetual flowering, indeed a most superb variety.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply plants of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipment.

Where an order aggregates 25 roses or more, even though in varieties, that are different in prices, the 100 rate may be taken in pricing the order.

TESTIMONIALS—A WORD TO THE WISE

One of our customers purchased from us last season one pound of our GIANT EXHIBITION PANSY mixture and was so well pleased with the stock that he gave us an order this season for six pounds of the same mixture.

Ellenville, N. Y.
Dear Sir:—The celery plants you sent me arrived in first-class condition. I am very much pleased with them and hope they will all thrive.
Yours truly,
F. S. SMITH.

St. Joseph's Hospital,
Elmira, N. Y.
Our gardener told us that you furnished grass seed to Mayor Sheehan some years ago and that it was the best he ever used.
Respectfully,
SISTER ROSE ALICE.

Oskaloosa, Ia.
Dear Sir:—The plants of hardy phlox you sent gratis to make up for the bad lot I bought in the summer came in good shape and are growing fine. They had such fine roots and were not to be compared to the earlier lot. Many thanks for your kindness and business integrity. I will remember you in future.
Yours truly,
E. J. EISENHART.



Moss' Rose Con. Ferd Meyer



Results like this can be obtained by planting Michell's Hardy Perennials

MICHELL'S HARDY PERENNIAL PLANTS

During the war period, due chiefly to our inability to procure efficient labor, we had planned and did reduce considerably the variety of hardy perennials. We felt that it was a patriotic move to do so. However, we did retain planting stocks of all sorts propagated by root division so that we can resume our position in the hardy perennial line when the proper period arrives. Besides the sorts listed in this catalog, which comprises the popular kinds, we are prepared to furnish other sorts. Send us a list of your needs and we will execute it promptly. We devote nearly 50 acres to this class of stock, 16 modern greenhouses and over 1500 sash frames. Directions for reaching our nurseries located at Andalusia, Bucks Co., Pa., by train, trolley and auto will be sent on request free.

GENERAL INFORMATION TO CUSTOMERS WHO ORDER HARDY PERENNIAL PLANTS

The season for shipping this class of stock commences usually about April 1st and lasts until about November 1st. During this period most varieties of perennials can be successfully planted. Our nursery business is distinct from our general business, in so much that all orders for that class of goods are filled at our nursery and not at our city establishment, so that orders for hardy perennials, etc., are filled and shipped separately from orders for general merchandise, seeds, etc., which we handle. Were we to attempt to ship plants with other goods in the busy period of spring it would delay one or the other, and we believe our customers prefer separate shipments, so as to give them both in due

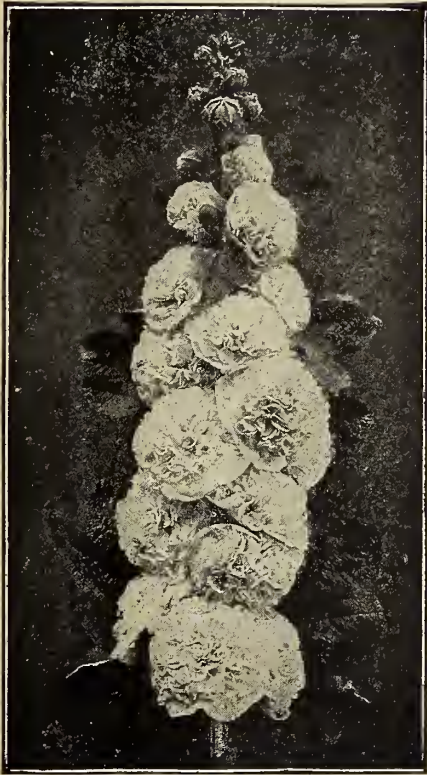
season. Plants should be unpacked immediately on arrival, planted and thoroughly watered; planting when the sun is not shining is to be preferred, and an application of water daily for three or four days after planting will ensure success. Small plants or small orders of same can often be sent parcel post, though we prefer express shipments. If wanted by mail, please allow for postage charges on the following basis: 15 per cent. of the amount of the order east of the Mississippi River and 20 per cent. west of the same. In no case will postage charges be less than 5c., and if too much is remitted we will refund the excess.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply plants of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipment.

"Hardy Perennials and How to Grow Them"

A comprehensive treatise of 48 pages, including plants for hardy borders, together with a complete list of varieties. This book is free. Send for a copy.



Hollyhocks

ALYSSUM

(Gold Dust or Basket of Gold)

Splendid edging plants. Ideal for rocky or special flower work; growing about a foot high.

Saxatile Compactum. Golden yellow. 25c. each; doz., \$2.50; \$15.00 per 100.

ANCHUSA ITALICA

(Sea Bugloss)

Dropmore Variety. Plants grow 4 feet high in pyramidal shape; branch freely and are loaded with bright blue forget-me-not-like flowers in June; very showy and valuable. 30c. each; doz., \$3.00; \$17.50 per 100.

ANEMONE JAPONICA

(Windflower)

As a last greeting of autumn these gay flowers appear in wondrous brilliancy and produce a wealth of bloom just before nature clothes the earth with a mantle of frost.

Plants vary from 2 to 3 feet high, and are ideal for cutting; flowers are cup form and appear in August and remain till frost. They require winter protection with leaves, straw or long manure, which amply repays one for the extra trouble taken.

Alice. While we have some good sorts in white and lavender pink, there never has been a real pink until this variety was placed on the market. The shade is brilliant, which looms up in the garden; it may be used for splendid effect as a cut flower; height, 15 inches.

Kriemhilde. Semi-double, very large, lovely rose pink flowers; fine for cutting.

Whirlwind. Large semi-double, pure white. Price of Anemones, 25c. each; doz., \$2.50; \$15.00 per 100.

AQUILEGIA

(Columbine)

For spring blooming these are invaluable, producing their graceful spurred flowers on stems rising 2 feet over their attractive foliage, during May and June. For rocky gardens, semi-shaded places, in hardy borders or planted in clumps, they are very effective.

Canadensis. Bright red and yellow.

Chrysantha Alba. Pure white.

Coerulea. Blue and white, long spurred.

Erskine Park Hybrids (Mixed Colors). A grand mixture of finest varieties, including every color in Columbines.

Rose Queen. A newer variety of a pleasing shade of delicate pink, long spurred flowers.

Price of above Aquilegias, 25c. each; doz., \$2.50; \$15.00 per 100.



Hardy Pinks

HARDY ASTERS (Michaelmas Daisy)

Tall-flowering, stately plants, which may be used with splendid effect in borders or in clumps as specimens on lawns, in large groups or beds. They form the basis of a color scheme in a perennial border during the months of September and October and last well into November. The rich shades of blue and purple blend harmoniously with most any surrounding. They thrive equally well in sun or partial shade. For cutting they are invaluable. The wide range of color makes this one of our finest summer and autumn flowering perennials.

Abendrote (Evening Glow). A very choice variety; 2½ feet high, with rosy red flowers.

Advance. Clear Cambridge blue, bright yellow disc; habit similar to Climax; 5 feet; September-October.

HARDY ASTERS (Continued)

Beauty of Ronsdorf. Undoubtedly one of the finest hardy Asters; the plants are of a branching habit, covered with large delicate lilac rose flowers from August to October.

Queen. Best described as a white Climax; with only a faint tinge of blush, but all the good qualities of the parent which it has superseded; 4 to 5 feet high; blooming in September.

Price of Hardy Asters, 25c. each; doz., \$2.50; \$15.00 per 100.

ARTEMISIA

Lactiflora. An excellent perennial with flower stems 3 to 4 feet long, covered with creamy white flowers. A planting of these mingled with colored perennials makes a beautiful sight; blooms continually from August until late September. 25c. each; doz., \$2.50; \$15.00 per 100.

CARNATIONS

(Hardy Border Varieties)

These embrace a marvelous range of color, from pure white through all shades of pink, from light to darkest yellow, also light and dark red. Mixed colors only, 25c. each; doz., \$2.50; \$15.00 per 100.



Gaillardia (See Page 109)

Testimonials

Cape May, N. J.

You ought to see the Butterfly Bushes in my garden, obtained from you. Some bushes are 11 ft. high and 9 ft. through, literally covered with flowers.

J. C. GALLAHER.

Boston Mass.

The Laurel Plants arrived in good condition and are planted. I appreciate you sending me such good quality.

L. B. HUTCHINS.

Our Hardy Perennials are extra strong and will give splendid satisfaction.

MICHELL'S HARDY PERENNIAL PLANTS



Aquilegia or Columbine (see page 107)

CAMPANULA (Bell Flower)

Showy perennial plants of special merit; some are tall, being suitable for borders; others are dwarf, for rockeries and edging. In every well-ordered hardy garden Campanulas should have a prominent place. They delight in a good rich loam, preferring a semi-shaded place. The taller varieties should be carefully staked, to prevent them from being broken during windstorms. If the flowers of Campanulas are cut as they fade, it greatly prolongs the blooming period of the plant.

Calycanthema (Cup and Saucer). These are biennials, and last only one season, when planted in the autumn. **Pink, White and Blue**, each color separate; height, 18 inches; June-July.

Media (Old-fashioned Canterbury Bells). This is a biennial type, like the Calycanthema, and will last only one season, when planted in the autumn. It flowers freely in June, July and August, and grows 3 to 4 feet high. **Blue, Pink and White**, in separate colors.

Price of Campanulas, 25c. each; doz., \$2.50; \$15.00 per 100.

CHRYSANTHEMUMS

(Daisy Types)

This class of perennials are beautiful, producing large flowers in great numbers on long stems, and fine for cutting. They are snowy white with bright yellow centres; the individual blooms often measure 4 inches in diameter.

Arcticum (Arctic Daisy). This is a native of Alaska. It is very attractive, having pretty dark green foliage, and in September multitudes of pure white flowers, 2 to 2½ inches across, make their appearance and continue in bloom through October and November. 25c. each; doz., \$2.50; \$15.00 per 100.

Leucanthemum Alaska (Shasta Daisy). Pure white; yellow. 25c. each; doz., \$2.50; \$15.00 per 100.

HARDY CHRYSANTHEMUMS

SUGGESTION.—While generally conceded to be hardy, we recommend a slight protection of long straw manure over the roots of all hardy Chrysanthemums during the winter months, or, better yet, after they have finished blooming cut the plants down, lift them and place in a cool cellar (light and airy) or in a cool frame and set out in the spring.

Early Flowering Varieties

In front of varieties of this class we have prefixed the letter (E), and probably should state here that these are not dependably hardy in our climate, even though protected when left outdoors in the winter.

Those who are not yet acquainted with this type of Chrysanthemum, on seeing them for the first time, will realize at once their wondrous beauty and freely-flowering qualities. Although they are principally cultivated as an outdoor plant, they respond wonderfully when grown inside.

They are chiefly conspicuous by the fact that some varieties commence to bloom as early as August and continue in flower until cut down by severe frost. The blooms of most kinds measure as much as 3½ to 4 inches across, and if disbudded form handsome specimen blooms on long stems, admirably adapted for decorative purposes. We predict that when these become better known they will entirely supersede the smaller type of hardy "mums" now in general use.

(E)—**Almirante** (New). Orange buff at base of petals; shading to primrose yellow at edge of petals; a large, fine flower which, when disbudded, is often 6 inches across.

Baldwin's Scarlet. As the name implies, this is the nearest approach to scarlet in color that has so far been produced.

(E)—**Blanche Neige** (New). Pure white, a splendid flower; excellent for cutting; greatly recommended; September-October; 2½ feet.

(E)—**Champagne**. Rich, ruby red; of wonderful free-flowering habit. It is among the later varieties, starting to flower early in October and lasting until mowed down by frost.

(E)—**Chatillon** (New). Citron-yellow with a slight reddish tinge, which gives the flower a charming appearance. Very vigorous grower. September-October.

(E)—**Cranford's Yellow** (New). A magnificent golden yellow; flowering in October; a strong flower and very free.



Chrysanthemum (Shasta Daisy)

HARDY CHRYSANTHEMUMS (Cont'd)

Delicata. Large flowered, cameo pink.

Elva. The most beautiful of white Pompons, pure in color and of full, fluffy form.

(E)—**Ethel Blades**. A distinct shade of chestnut red, in fact the color is so unique that it is difficult to appreciate, unless one actually sees it in bloom.

Leota. Delicate pink with bright rose reverse which gives the effective bright centre in each bloom if cut a few days before fully developed; dwarf habit.

Nippon. This Pompon makes an ideal pot plant, being short-jointed and bushy in growth, forms a perfect plant with practically no pinching. Color, flesh-white, with light yellow centre. Also one of the best outdoor varieties. Season of flowering first week in November.

Orange Pet. Pretty shade of orange terracotta; flowering the early part of October. Price of Hardy Chrysanthemums, 25c. each; doz., \$2.00; \$12.00 per 100.

COREOPSIS

Lanceolata Grandiflora. Flowers rich golden yellow of graceful form; fine for cutting. A few plants make a handsome display, either planted individually or in clumps; the flowers are produced thousands on a single plant, and where quantity and quality are wanted Coreopsis should be planted; June till October. 25c. each; doz., \$2.50; \$15.00 per 100.

CARYOPTERIS

Mastacanthus (Blue Spiraea). A hardy perennial of the easiest culture, flowering in September and October. The flowers are light blue; 2 feet high. 25c. each; doz., \$2.50; \$15.00 per 100.

DAISY (Bellis Perennis)

Planted in Rose borders or bulb beds between Hyacinths and Tulips they produce a show in a place that would otherwise have a dead appearance. A combination of these with Myosotis and Pansies produce a rare treat in early spring flowers. They make a similar effect planted among late Tulips, covering the bare ground between the bulbs very effectively.

White, Pink, Red; each separate 10c. each; doz., \$1.00; \$7.50 per 100.

DIELYTRA (Bleeding Heart)

Spectabilis. One of the most beautiful border and shrubby plants, with graceful, fern-like foliage and attractive heart-shaped pink and white flowers appearing in April. Large roots, 30c. each; doz., \$3.00; \$20.00 per 100.



Dielytra Spectabilis

DIGITALIS (Foxglove)

These showy plants are but biennials (that is, live outdoors for two seasons), but can be made perennial by the following treatment: Immediately after blooming remove the flower stalk right down to the ground, also crop some of the large leaves; the result is a number of new plants start from the old crown, which produce splendid flowers the second year. Digitalis will do well in semi-shaded spots; plants grow from 4 to 6 feet high; flower in June.

Gloxinaeflora. White, Pink, Purple, Lilac, Yellow. Each separate.

Lanata. A distinct species, producing dense spikes of curious-looking flowers, the corolla being gray, the lips white.

Any of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

DIANTHEUS (Garden Pinks)

They are brilliantly colored flowers, which appear in great numbers on the plant, and have a rich clove scent. For table bowls, as a cut flower, they are much in use. For edging hardy borders, garden walks, or planted in rock gardens, they fill an important place. They are at their height of bloom in June.

Deltioides (Maiden Pink). A continuous flowering variety with pink flowers. Especially suited for rock work.

Deltioides Alba. White flowers.

Lactifolius Atrococcineus Fl. Pl. (Ever-blooming Hybrid Sweet William). A splendid variety with brilliant crimson double flowers. Flowers continuously during the entire season.

Each of the above 25c. each; doz., \$2.50; \$15.00 per 100.



Eremurus

DELPHINIUM (Larkspur)

In view of the wonderful display that Larkspurs make, it is worth while to exercise care in locating a most suitable position and in the preparation of the ground, the latter should have a good natural drainage. Never use animal manure in planting Delphiniums, unless it has been incorporated in the soil a year before planting. Pure bone-meal is the best fertilizer in promoting growth, apply with it also some wood ashes; the latter will assist in holding in check earth grubs, which at times attack the roots and crowns of the plant. In order to keep Larkspurs in bloom continuously during the summer, cut the old flower stems off, after they have faded, and new shoots will produce flower heads in succession. To get the best out of hardy Larkspurs in the way of flowers, feed them occasionally during the growing season with an application of ground bone. A slight covering of long straw or leaves over the crowns of the plants during winter will prove a great benefit.

Bella Donna. The freest and most continuous blooming of all. The clear turquoise-blue flowers are not surpassed by any. 25c. each; doz., \$2.50; \$17.50 per 100.

Belladonna Semi-Plena. The finest of all light blue Larkspurs. The majestic spikes are covered with flowers of gigantic size, the latter appearing in several rows on the stem. Planted amongst the dark blue kinds it makes a charming effect. 30c. each; doz., \$3.00; \$20.00 per 100.

Chinense Album. Same as above in white. 25c. each; doz., \$2.50; \$15.00 per 100.

Chinense Azureum. Plants grow but 2 feet tall, branch freely, each branch terminating with a loose spray of single flowers; color, a deep clear blue. 25c. each; doz., \$2.50; \$15.00 per 100.

Formosum. Dark blue, white centre, spikes 3 to 4 feet tall, vigorous; free blooming. 25c. each; doz., \$2.50; \$15.00 per 100.

Mitchell's New Hybrids. Mixed. These are the cream of seedlings from a famous strain of English varieties. 25c. each; doz., \$2.50; \$17.50 per 100.

EREMURUS

When well established these are most stately and beautiful plants. They grow 8 or 10 feet high; require a moist soil, but well drained.

Himalaicus. White.

Robustus. Peach colored.

Price, \$1.25 each; doz., \$12.00.

FUNKIA (Plantain or Day Lily)

These attractive plants make fine effects, nothing is more handsome in a garden border or a hardy bed edged with the dwarf green and a variegated foliage of the Media Picta variety, also does well in shade.

Coerulea. Dark green foliage, with light blue flowers.

Subcordata Grandiflora Alba. This is a large loose-growing variety, with large blue flowers and broad foliage.

Undulata Media Picta. Green foliage, with distinct white markings. Lavender blue flowers. This is the best of the edging varieties.

Price of Funkias, 25c. each; doz., \$2.50; \$15.00 per 100.

GAILLARDIA (Blanket Flower)

One of the most useful of the hardy flowers. When planted in clumps, beautiful flowers are borne in profusion and make a striking effect. They last a long while as a cut flower, and are abundant from June until frost. Height, about 2 feet.

Grandiflora. Dark brown centre, petals on the outer edge are yellow, and the centre is surrounded with a rich orange disc. 25c. each; doz., \$2.50; \$15.00 per 100.



Digitalis

GRASSES (Hardy Ornamental)

The generous beautiful effect produced by the hardy Grasses is hard to describe. Plantings must be seen to be appreciated. The best results are attained if planted as individual specimens on the lawn or in large beds.

Arundo Donax (Giant Reed). Tall variety with bluish-green foliage, frequently attaining a height of 20 feet.

Arundo Donax Fol. Variegatis. This variety of Giant Reed has variegated foliage. 35c. each; doz., \$3.50.

Erianthus Ravennae (Plume Grass or Hardy Pampas). Deep green narrow foliage, growing about 10 feet high.

Eulalia Gracillima Univittata (Japan Rush). Graceful narrow foliage, growing 5 to 6 feet. Green, with silvery rib.

Eulalia Japonica Variegata. An attractive variety with a variation of markings of white, green, sometimes light pink and yellow; 4 to 5 feet high.

Eulalia Japonica. Like the variegated variety, except that it is entirely green.

Eulalia Japonica Zebrina. Dark green foliage, crossmarked horizontally golden yellow. It is one of the best of hardy Grasses for effect. 4 to 5 feet high.

Gynerium Argenteum (Pampas Grass). This variety in severe climates requires light protection in winter. The silvery flower plumes are indeed handsome. It varies in height from 7 to 10 feet.

Phalaris Arundinacea Variegata (Variegated Ribbon Grass or Gardner's Garter). This sort is especially suited for edging taller varieties, as it grows somewhat dwarf. The foliage is somewhat broad, variegated white and green.

Pennisetum Japonicum (Hardy Fountain Grass). One of the most valuable hardy Grasses, either for beds, mixed borders or as individual specimens. Height, 4 feet.

Elymus Glaucus (Blue Lime Grass). A graceful growing type with narrow silvery blue foliage, a dwarf compact grower; height, 3 feet.

Price of Hardy Grasses (except where noted), 25c. each; doz., \$2.50; \$15.00 per 100.

MICHELL'S HARDY PERENNIAL PLANTS



Helonium

HARDY FERNS

Many persons are perplexed to know what is best suited for planting in densely shaded borders, particularly around porches. Nothing in the world produces such a permanent and satisfactory effect as Ferns. The graceful plants grow on an average from 1 to 2 feet high, according to the variety, and the clumps increase in size and beauty each year. They die down in the winter and break forth again in May. They require absolutely no attention after they are planted. In the variety at command very interesting plantings and effects can be made.

Choice Varieties in mixture in extra large plants. 35c. each; doz., \$3.00; \$20.00 per 100.

GYPHOPHILA (Baby's Breath)

During August and September this is a mass of delicate flowers. These may be used as fresh cut flowers, also for a semi-everlasting effect. They keep perfectly for months without water.

Paniculata. Feathery sprays of white flowers; useful for effects in bouquets.

Repens. A useful plant for the rockery, with small white flowers; July-August. Price of *Gypsophila*, 25c. each; doz., \$2.50; \$15.00 per 100.

HELENIUM (Sneezewort)

These desirable perennials succeed in almost any soil in a sunny location. The flowers are splendid for cutting.

Autumnale Rubrum. Bright, terra-cotta red. 5 feet.

Autumnale Superbum. Massive spreading heads of deep golden yellow flowers; August-October; 5 feet. Price of *Heloniums*, 25c. each; Doz., \$2.50; \$15.00 per 100.

HELIANTHUS (Hardy Sunflower)

Very effective in borders, among shrubbery or as clumps on the lawn, etc. They produce masses of flowers during summer until frost, which are splendid for cutting and decorative purposes.

Maximiliana. The latest of all; blooming profusely in October; the fine golden yellow flowers appear in long, graceful sprays; splendid for cutting; 5 to 7 feet.

Multiflorus fl. pl. Large, double golden yellow; July-August; 4 feet.

Price of *Helianthus*, 25c. each; doz., \$2.50; \$15.00 per 100.

HELIOPSIS

A splendid summer flowering perennial which makes a vivid display in the garden border; a good cut flower. They resemble a miniature single sunflower.

Pitcheriana. Deep golden yellow; June till frost; 3 feet high. 25c. each; doz., \$2.50; \$15.00 per 100.

HELLEBORUS (Christmas Rose)

They flower when practically nothing is in bloom outdoors, actually thrusting their beautiful blossoms through the snow. They succeed almost everywhere, but prefer a sheltered, shaded location. Height, 8 to 10 inches.

Niger. Pure white. The best of all *Helleborus* varieties. 40c. each; doz., \$4.00.

HEMEROCALLIS (Yellow Day Lily)

Lily-like plants, flowering in great profusion during the summer, making a fine cut bloom.

Aurantiaca. Large, trumpet-shaped, orange yellow flowers; reverse of petals bright Indian yellow; sweet scented. 30c. each; doz., \$3.00; \$20.00 per 100.

Kwanso Flore Pleno (Double). Coppery red; July; 3 feet high. 25c. each; doz., \$2.50; \$15.00 per 100.

HIBISCUS (Mallow)

New Giant Flowering. A wonderfully improved form of our greatly admired Marsh Mallows. They are unusually attractive and form real show plants during their flowering season. They attain a height of 6 to 7 feet, have beautiful lacinated foliage and monstrous flowers, measuring from 6 to 8 inches in diameter. We offer these in colors. Pink, White, Red, each separate. 25c. each; doz., \$2.50; \$15.00 per 100.

HOLLYHOCK

These thrive best in soil that is not too wet, which should be enriched with well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter with leaves, long manure or straw. To guard against fungus or rust we recommend spraying the plants in early spring with Pyrox or Bordeaux Mixture.

Double Canary Yellow

Double Crimson

Double Pink

Double Salmon

Double White

Double Newport Pink. Price of *Hollyhocks*, 25c. each; doz., \$2.50; \$15.00 per 100.

IRIS GERMANICA (Fleur de lis)

No garden or perennial border is complete without a planting of *Iris*; they thrive most anywhere, being absolutely hardy under most all conditions. In May, when the majority of perennials have not come into bloom yet, the *Iris Germanica* comes out in its full beauty. We grow these in very large quantities. When planting observe that the growing part of the crown protrudes from the soil, and only when established should this be covered entirely; most effective when planted in masses either in the hardy border in front of shrubbery or in beds.

Gypsy Queen. Lavender, bronze-veined, white.

Her Majesty. Rosy lilac, a beautiful variety.

Honorabilis. Golden yellow, shaded rich bronze.

Innocenza. Pure white; early and very beautiful.

Mad. Chereau. White edged, light blue.

Queen of May. Light pink; very early.

Mixed. All varieties. 15c. each; doz., \$1.50; \$10.00 per 100.

Price of separate varieties. *German Iris*, 25c. each; doz., \$2.50; \$15.00 per 100.

IRIS KAEMPFERI (Japanese Iris)

The King of all *Iris*, covering a wide range of color; named sorts can be selected to cover a flowering period of 5 weeks, from the middle of June into July. The flowers, many of them when spread, measure 12 inches across. While they succeed generally in all soils, they delight and thrive best in a deep, rich location.

The names being rather awkward, we have also arranged them under number so they can be ordered more readily. The varieties marked "double" are 6-petaled, and those marked "single" are 4-petaled.

No. 10. Geishoi (Double). Crimson purple, radiating white lines; a fine combination.

12. Gosetsu-mai (Double). White veined and traced aniline blue.

6. Tokyo (Double). Very early flowering pure white; makes a beautiful effect.

30. Gekko-no-nami (Single). Early, pure white.

11. Kan-ran (Single). White, lightly suffused and veined rosy violet.

25. Yomo-Zakura (Single). Light ground color, densely suffused reddish purple.

Mixed. All colors and shades. 25c. each; doz., \$2.50; \$15.00 per 100.

Price of *Japanese Iris*, 30c. each; doz., \$3.00; \$20.00 per 100.

IRIS PUMILA

The first of the *Iris* to bloom, resembling in appearance the *Germanica* variety; the plants are 6 inches high and are ideal when used as an edging for taller varieties or in borders or rockeries; they delight in a fairly dry, high situation, and once planted will increase in numbers.

Die Braut. White. 15 inches high; very large and showy.

Lutea. Golden yellow. 6 inches high; a fine companion to *Viola*.

Viola. Dark blue. 6 inches high; fine for rockwork.

Price of *Iris Pumila*, 25c. each; doz., \$2.50; \$15.00 per 100.

IBERIS (Hardy Candytuft)

The Hardy Candytufts are low-growing plants, with evergreen foliage. In spring and early summer they are completely covered with dense heads of pure white flowers. For borders and rockeries they are unsurpassed.

Sempervirens. Pure white flowers. 25c. each; doz., \$2.50; \$15.00 per 100.



Helianthus, Mult. Fl. Pl.



Paeony Candidissima

No disease or insect ever troubles this plant. They delight in a sunny location in deep rich soil. After planting water regularly until you feel they are established and always take care to see that the crown or top of root is not more than 1 to 2 inches below the surface when covered. The roots are perfectly hardy and once planted remain for years, increasing in size. Roots can be delivered beginning in April or in the autumn beginning in September.

	Each	Doz.
Agnes Mary Kelway. White tinted rose, cream centre; a very striking flower. Early	\$0.25	\$2.50
Alba Plena. A giant flower of the purest white; very double. Of superb fragrance. Mid-season.....	.25	2.50
Anemoneflora Rubra. Anemone form, having a broad collar; a beautiful dark crimson. Mid-season....	.25	2.50
Beaute Francaise. Lilac-rose, with a cream white collar; very fragrant. Mid-season .....	.35	3.50
Berlioz. Perfect form. Large magenta rose color; silver tipped. Late .....	.35	3.50
Boule de neige. Very double, pure white; foliage is rich, deep green .....	.50	5.00
Candidissima. Creamy white, with a clear, sulphur yellow centre. Early .....	.30	3.00
Carnea Elegans. Of a clear flesh color, glossy reflex. A free bloomer. Mid-season .....	.35	3.50
Charlemagne. Excellent variety. White, with a light pink centre. Fragrant. Late .....	.30	3.00
Clarisse. Beautiful rose pink, with silvery pink centre; fine form and habit. Mid-season .....	.25	2.50
Couronne d'Or. Snowy white, with yellow reflex and deep pink edges on a few petals. Late .....	.50	5.00
Delachi. Large flowers of a deep purple color, free bloomer. Late .....	.30	3.00
Delicatissima. Pale lilac rose, free habit; fragrant, mid-season .....	.30	3.00
Duc de Cazes. Bright pink, silvery reflex. Early..	.25	2.50
Duc de Wellington. Large, sulphur-white flower of great fragrance and with long stems. Late.....	.35	3.50
Duchesse de Nemours. Pure white, with a sulphur-white centre; very early and extra fine. Early....	.25	2.50
Dr. Bretonneau. Lilac rose with cream white centre, flecked crimson. Mid-season .....	.30	3.00
Edulis Superba. Beautiful shaped flower of a bright mauve pink color, with narrow edges of lilac. One of the best early sorts .....	.30	3.00
Eugenie Verdier. Giant globe-shaped flower of a soft pink color. Mid-season .....	.50	5.00
Faust. Delicate flesh pink, with salmon centre. Mid-season .....	.25	2.50

	Each	Doz.
Felix Crousse. Large bright red flowers on long stems. Mid-season	\$0.50	\$5.00
Festiva. Large, full type, creamy white with crimson spots. Late bloomer .....	.50	5.00
Festiva Maxima. Beautifully shaped flower, 7 to 8 inches in diameter. Pure white, splashed red. Late .....	.40	4.00
General MacMahon. Large anemone-shaped flower of a deep violet color. Mid-season .....	.50	5.00
Grandiflora Rosea. Full globe-shaped flower, light softerino red petals, salmon centre. Mid-season....	.25	2.50
Lady Bramwell. Delicate silvery pink, Mid-season..	.25	2.50
La Perle. Very large; globular; deep lilac white, bluish centre prominently flecked carmine; fragrant .....	.50	5.00
La Rosiere. Imbricated petals of yellowish white with straw yellow centre. Mid-season .....	.35	3.50
L'Eclatante. Large globular flower of brilliant red color; very good variety. Mid-season .....	.25	2.50
L'Indispensable. Perfect shaped flower of a delicate creamy color, shaded pink. Mid-season .....	.50	5.00
Louis Van Houtte. A rich shade of crimson maroon, an exceptionally fine large flower. Late .....	.25	2.50
Marie Lemoine. Delicate rose white, with a creamy centre .....	.50	5.00
Mme. Calot. Pale hydrangea pink, centre shaded darker; collar tinted silver; free bloomer .....	.50	5.00
Mme. Leonie Calot. Delicate rosy white, centre petals slightly tipped carmine. Mid-season .....	.50	5.00
Mons. Chas. Leveque. Rosy white, tipped carmine..	.30	3.00
Mons. Krelage. Grand flowers of a dark pink color. Large and compact. Late .....	.50	5.00
Queen Victoria. Pure white; cream centre. Mid-season .....	.25	2.50
Victor Hugo. One of the very best of red paeonies .....	.50	5.00
Zoe Calot. Pure white; suffused rose. Mid-season .....	.25	2.50

DOUBLE TREE PAEONIES

These very beautiful and free-flowering paeonies deserve to be included in every collection. They are from 2 to 3 weeks earlier than any other variety.

Our stock of these while comprised of named sorts, large-flowering varieties is in mixture only, so that we are unable to definitely determine the colors. However, they are so beautiful that any of the shades will prove a desirable acquisition.

Tree Paeonies. Extra strong plants, \$1.25 each; per dozen, \$12.00.

PAEONIA TENUIFOLIA Flore Plena

An early flowering species with fern-like foliage and double deep crimson flowers, a shade like the Jacq. Rose. Each, 30c.; per dozen, \$3.00; \$20.00 per 100.

PAEONY OFFICINALIS

This type is very large-flowering, coming into bloom earlier than most of the others; very fragrant and double.

	Each	Doz.	100
Officinalis Alba. Double white. Very early..	\$0.30	\$3.00	\$20.00
Officinalis Rosea. Double pink. Very early ..	.30	3.00	20.00
Officinalis Rubra. Double red. Very early ..	.30	3.00	20.00

PAEONIAS TO COLOR

	Each	Doz.	100
Double Red. Large roots	\$0.25	\$2.50	\$17.50
Double Pink. Large roots .....	.25	2.50	17.50
Double White. Large roots .....	.25	2.50	17.50

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply plants of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipment.

Michell's Book on "Hardy Perennials and How to Grow Them," compiled by an expert in hardy plants, contains 48 pages brimful of useful information on these popular subjects; offers suggestions as to the best kinds to plant under various conditions, gives plans for hardy borders, etc. Mailed free. Ask for a copy.

112 MICHELL'S HARDY PERENNIAL PLANTS

LILY OF THE VALLEY

For outdoor planting in shaded places. Pure white flower bells appear on stems about 8 to 10 inches long in the latter part of May. For outdoor planting the large clumps are best. 30c. each; doz., \$3.00; \$20.00 per 100. Stock cannot be shipped after May 15th.

LOBELIA

Cardinalis (Cardinal Flower). Makes a most delightful showing if planted in front of shrubbery or in the herbaceous border; flowers are a vivid crimson on spikes from 2 to 4 feet high; flowering July-August. 25c. each; doz., \$2.50; \$15.00 per 100.

LUPINUS (Lupins)

These flower in May and June; are 3 to 4 feet high. In dry weather water liberally to prolong the bloom.

Moerheimi. A new variety, with gigantic flower spikes, which are a combination of pure pink in light and dark shades.

Polyphyllus. Blue. Very showy.

Polyphyllus White.

Price of **Lupinus**, 25c. each; doz., \$2.50; \$15.00 per 100.

LYCHNIS (Campion)

Of easy culture, making large bushy plants, all of them showy when in bloom. These flower all summer except where noted.

Chalcedonica. Heads of brilliant orange scarlet; 2 feet high.

Haageana Hybrida. Brilliant shades of orange and scarlet, blooming in May and June; height, 12 inches.

Price of **Lychnis**, 25c. each; doz., \$2.50; \$15.00 per 100.

MATRICARIA (Feverfew)

Little Gem. One of the best perennials for cutting, being literally smothered with large button-like pure white flowers, borne in sprays during the entire summer and autumn. Plants, 18 inches high. This is a wonderfully fine plant and should be planted liberally. 25c. each; doz., \$2.50; \$15.00 per 100.

Our Hardy Perennials are extra strong and will give splendid satisfaction.

MONARDA (Bergamot)

Showy plants, 2 to 3 feet high, succeeding in any soil or location, flowering during July and August.

Didyma Cambridge Scarlet (Oswego Tea). Brilliant scarlet. 25c. each; doz., \$2.50; \$15.00 per 100.

MONTBRETIA (Bulbs)

A beautiful flowering bulb resembling a miniature *Gladiolus*, absolutely hardy, and only effective if planted in masses from 50 to 100 bulbs in a clump.

Aurantiaca. Deep golden yellow.

Crocsmiaeflora Type. Scarlet and yellow.

Etoile de Feu. Vermilion with yellow centre.

Germania. Orange scarlet, very large.

Pottsi. Large, orange scarlet.

Rayon d'Or. Light yellow, spotted brown.

Speciosa. Golden yellow.

Any of the above varieties 6c. each; doz., 60c.; \$4.00 per 100.

MICHELL'S SUPERB HARDY PHLOX

The most effective border plants during August and September. They succeed in almost any soil enriched with manure. In partial shade the flowers last much longer than when grown in the full sun. If the first spikes of bloom are removed as soon as over, and the plants given a good soaking of water, they will produce a second supply of flowers, thus continuing until late in autumn. The varieties we offer represent the finest of the existing Hardy Phlox.

SPECIAL NOTE.—Besides the Phlox listed here we have many other varieties, though our collection offered in this book is about the best of the sorts.

PHLOX DECUSSATA

Africa. Rich royal purple, suffused crimson. A shade in Phlox that is much in demand.

America. One of the most free-flowering Pink Phloxes. A shade that is instantly appreciated.

Crepuscule (New). Very large flowers, shading from a deep crimson centre, through rose lilac to a white edge; a beautiful blending of colors.

Elizabeth Campbell. Delicate refreshing pink with a white eye. Of the many varieties in commerce, this leads them all. The demand seems never to be satisfied.

Europa. Blush white, with a large deep pink centre, making it a very showy combination. The dwarf compact plant is literally covered with gigantic flower trusses.

Goliath. The flower trusses are large and of a bright cerise color with deep eye.

Iris. A deep reddish violet, of compact erect habit with flower trusses that rival any others for size. This probably is the nearest approach to violet blue in Phlox that we know of.

Mrs. Jenkins. Of medium height, with immense clusters of pure white flowers; very effective when planted in masses.

W. C. Egan. One of the prettiest in our entire collection, the color being a pale lilac with an intense solferino-red eye. It is of medium height and of branching habit, which means a free bloomer.

Mrs. R. P. Struthers. Very deep salmon pink with a darker centre. An immense flower truss.

Asia. Rich shade of mauve, an entirely distinct color; one that must be seen to be fully appreciated.

Price of any of the above Hardy Phlox, 25c. each; doz., \$2.50; \$15.00 per 100.

MISCELLANEOUS VARIETIES OF PHLOX

Amoena. A beautiful plant, with soft rose-colored flowers; one of the best for rockery or borders; 4 inches high; April-May.

Divaricata Canadensis. A patch of these makes a spring show hard to describe. The large heads of fragrant lavender flowers appear the latter part of April and in May.

Divaricata Alba Grandiflora. A white-flowered form of the above.

Subulata Rosea (Moss Pink). Moss evergreen-like foliage, tucking close to the ground and covered completely with pink star-like flowers in May.

Subulata Alba. The same as *Rosea*, with pure white flowers.

Subulata Lilacina. A beautiful shade of lilac.

Price of any of the above Miscellaneous Phlox, 25c. each; doz., \$2.50; \$15.00 per 100.



Hardy Phlox Elizabeth Campbell

PHLOX SUFFRUTICOSA

These differ from the others in that the foliage and stem are deep green and glossy, and they begin to blossom in June and remain in bloom until October.

Fantasy. Rosy mauve; large flower trusses.

Indian Chief. Very dark purple; heavy leathery foliage.

Miss Lingard. Pure white, with a lilac eye; very early.

Mrs. Greenlees. Pure white, with rosy centre.

Price of **Phlox Suffruticosa**, 25c. each; doz., \$2.50; \$15.00 per 100.

MYOSOTIS (Forget-Me-Not)

These are most effective when intermingled with Pansies, English Daisies or amongst summer-flowering perennials. They bloom usually about the middle of April, and last well into the summer. In extremely severe climates a little covering of straw or manure over the plants will prove beneficial during the winter.

Alpestris Victoria. A grand variety, with fine heads of clear azure blue flowers; bushy and compact, a fine edging plant. 15c. each; doz., \$1.50; \$10.00 per 100.

PACHYSANDRA

An evergreen trailing plant, with thick, glossy foliage forming a dense mat; one of the finest ground covers for either sunny or shaded locations

Terminalis. Green; 6 to 8 inches high; small flower spikes of a grayish white, in May and June. 25c. each; doz., \$2.50; \$15.00 per 100.

PINKS, HARDY GARDEN (Double)

These old-fashioned favorites, bearing their clove-scented flowers during the spring and early summer, are splendid cut blooms.

Carmen. A fine early light pink.

Her Majesty. One of the best; pure white, Homer. Rosy-red, with dark centre. 25c. each; doz., \$2.50; \$15.00 per 100.

ORIENTAL POPPIES (Papaver)

The gorgeous colored flowers of the Oriental type make a rich, brilliant show. These bloom usually in July. After the flowering period the plants have a tendency to take on the appearance as if they were dead. But they return to vigor usually as soon as the weather becomes cool.

Goliath. One of the most effective, large flowers of a rich scarlet; the largest flowered of this class.

Mrs. Perry. A soft shade of salmon rose; a beautiful large flower. This variety should be in every garden.

Perry White. Pure satiny white with a bold crimson blotch at the base of each petal.

Price of Oriental Poppies, 25c. each; doz., \$2.50; \$15.00 per 100.

ICELAND POPPIES

The graceful foliage is surmounted with a mass of stems a foot high, which terminate in a beautiful cup-shaped flower. Flowers continuously the entire summer.

Orange King. (Orange Yellow).

White. Yellow.

Any of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

PRIMULA (Hardy Primrose)

One of the first of the early spring flowers. They delight in a rich soil, preferably in a semi-shaded location. Some of the varieties are richly colored, and are worthy of a place in every hardy garden. As a hardy border edging, as well as for rockery planting, it can be highly recommended.

Veris (English Cowslip). A mixture comprising the various shades of red and yellow; a splendid plant for the spring blooming garden.

Vulgaris (English Primrose). Beautiful light canary yellow; long flower stems with large trusses.

Price of Primulas, 25c. each; doz., \$2.50; \$15.00 per 100.

RUDBECKIA (Cone Flower)

These furnish a supply of cut flowers from early July until September. They are extremely hardy, doing well with every one. They could be termed "a city garden perennial," doing so well with little attention.

Golden Glow. Double canary yellow; 6 feet. Blooming in August.

Purpurea (Giant Purple Cone Flower). The flowers remain in perfect condition on the plants for weeks. Flowers from July to September; 2½ feet high.

Price of Rudbeckias, 25c. each; doz., \$2.50; \$15.00 per 100.

RANUNCULUS (Buttercup)

Aeris Fl. Pl. A dainty double sort with yellow, button-like flowers; 2 feet. 25c. each; doz., \$2.50; \$15.00 per 100.

SCABIOSA

The hardy variety is even more wonderful and of greater beauty than the annual sort, commonly called Mourning Bride. The flowers are gigantic, measuring frequently 3 inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal. It lasts a long while in water, the average height is about 2½ feet. Very free floweriug.

Caucasica. A delicate shade of lavender blue, starting in flower in June and lasting well through the summer.

Caucasica Alba. White. Like the above, except the color.

Price of Scabiosas, 25c. each; doz., \$2.50; \$15.00 per 100.

SEDUM (Stonecrop)

Acre. The foliage of this is a distinct attraction in itself, being of a yellowish green shade. For covering rockeries, in borders or beds on cemetery lots it is indispensable. The flower, which appears in July, is bright yellow and lasts on the plant a long while; height, 6 inches.

Sexangulare (Love'n'tangle). Dark green foliage; yellow flowers; 6 inches.

Spectabilis Brilliant. One of the prettiest tall growing species, reaching a height of about 18 inches; broad light green foliage and richly colored flowers of amaranth red. September-October.

Price of Sedums, 25c. each; doz., \$2.50; \$15.00 per 100.

SOLIDAGO (Golden Rod)

The Golden Rod in a cultivated form is one of the best hardy garden plants. We have discarded all other varieties except the one listed, as from observation we believe it fills every want for this plant.

Golden Wings. The finest of the Golden Rods; very showy; 5 feet high, with immense panicles of bright golden yellow flowers from July to September.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

STOKESIA (Cornflower Aster)

The flower has the appearance combining a giant cornflower and an aster. Plants are 18 inches high and are of spreading habit, blooming from June until frost. Succeeds in most any location.

Cyanea. Very light blue.

Cyanea Alba. Pure white.

Price of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

SWEET WILLIAM

(Dianthus Barbatus)

This plant occupies a foremost position, producing, early in spring, quantities of bloom which make a grand effect; for just when they are in flower it is generally too soon for other perennials. For wild garden effect, Sweet Williams occupy first place.

Mitchell's Prize Mixture. In all colors.

Pink Beauty (Sometimes called Newport Pink). A splendid shade of salmon with immense flower trusses. When massed it is a striking feature of the perennial garden; an extra fine novelty.

Price of Sweet Williams, 25c. each; doz., \$2.50; \$15.00 per 100.

VIOLA (Tufted Pansies)

A so-called everblooming pansy. While not as large as pansies, the flowers are so free that they are planted extensively in preference to the latter. If possible they should be put in a shaded location where they flower most freely. **Blue and Purple, White and Yellow** varieties separate. 15c. each; doz., \$1.50; \$10.00 per 100.



Sweet William

TRITOMA

(Flame Flower, Torch Lily or Red Hot Poker Plant)

In summer and autumn when other flowers are on the wane, the Tritoma furnishes a wealth of bloom till killing frosts check it. A vase of these arranged with autumn leaves or ornamental grasses makes a handsome effect. Though the roots are considered hardy, we recommend that they be lifted in the autumn and placed in a box of soil or sand, preferably in the cellar.

Pfitzeri. Blooms from August till October; rich orange scarlet. 25c. each; doz., \$2.50; \$15.00 per 100.

TRILLIUM (Wood Lily)

Excellent for shaded positions, flowering very early in spring. It looks best when planted promiscuously among hardy plants.

Erectum. Purple.

Grandiflorum. White.

Price of Trilliums, 25c. each; doz., \$2.50.

VINCA (Periwinkle or Myrtle)

It is often a perplexing problem to find the plant that will do well in a dense shade. Right there is where Vincas of the hardy class should be employed, also in lawn plantings under trees, in woodlands and on spots it is desired to cover the ground where no grass will grow. The attractive light lavender flowers produce a sheen of color in May. It is valuable for planting on cemetery lots by reason of its dwarf creeping habit. The foliage is green all winter.

Aurea. Identical in habit and value with the **Minor** type, except that the foliage is green, margined yellow. It is fast becoming very popular by reason of the brilliant show it makes. 25c. each; doz., \$2.50; \$15.00 per 100.

Minor. Green foliage, lavender flowers. Extra strong plants. 25c. each; doz., \$2.50; \$15.00 per 100.

YUCCA (Adam's Needle)

This plant sets off to best advantage if used as individual specimens either on the lawn or in the shrubbery border. The foliage is of an evergreen nature, is slender and pointed. The tall flower-spikes rise 4 to 5 feet above the plant and are decked with cream-white bell-shaped drooping flowers July and August. A majestic plant, especially fine for producing tropical effects.

Filamentosa. White, with reflexed flower bells. Extra strong plants, 30c. each; doz., \$3.00; \$20.00 per 100.

MICHELL'S CLIMBING HARDY VINES

Vines play an important part in the landscape of the home. There are so many purposes they fill that we cannot recommend too highly their general use.

AKEBIA—Quinata. Quick-growing vine; small, fine-lobed, half-evergreen leaves, and purplish brown or chocolate-colored flowers, which have a delicious odor. This plant is highly desirable where a dense shade is not desired. Extra strong plants, 30c. each; doz., \$3.00; \$20.00 per 100.

AMPELOPSIS—Lowii (*New Japanese Ivy*). Conceded to be a great improvement over *Veitchii*. It possesses every one of the merits of the latter. The foliage is smaller and more finely divided. It clings to the smoothest surfaces on its own accord. In the autumn it changes to bright scarlet. Extra strong plants, 50c. each; per doz., \$5.00; \$35.00 per 100.

AMPELOPSIS — Quinquifolia (*Virginia Creeper*). The large handsome, dark green leaves are deeply cut into five lobes. In the autumn the foliage turns a beautiful rich crimson; especially adapted to covering tree stumps and trunks. Extra strong plants, 30c. each; per doz., \$3.00; \$20.00 per 100.

AMPELOPSIS—Veitchii (*Boston Ivy*). The popular climber for brick and stone buildings and walls. The leaves are a beautiful deep green, which in the autumn turn to a coppery red. Strong plants, 30c. each; per doz., \$3.00; \$20.00 per 100.

ARISTOLOCHIA—Sipho (*Dutchman's Pipe*). Handsome light green leaves, giving a quick, dense shade. The brown flowers are shaped like the bowl of a pipe. Large plants, 60c. each; doz., \$6.50.

BIGNONIA (Trumpet Vine). These are strong-growing vines, with rich green foliage and trumpet-shaped flowers.

Grandiflora. Large flowering, bright orange-red.

Radicans. Dark red, free-flowering, throat shaded orange. Strong plants, 60c. each; doz., \$6.50.

CLEMATIS. This family of Climbing Plants are probably more popular than any other. Some of the small flowering varieties are exceedingly fragrant. The large flowering types make a glorious effect on account of their gigantic blooms and striking appearance. All *Clematis* delight in plenty of sunlight, rich soil and plenty of water in dry weather.

Great care should be exercised in planting the large-flowering varieties. During the process of transplanting, the stem is likely to get broken below the eye shoots, which would render the plant useless. To guard against this, place a few stakes around the plant to protect it after planting. In the winter put a covering of straw, long manure or leaves around the roots.

Mme. Baron Veillard. Large flowering, rich, reddish purple. 60c. each; doz., \$6.00.

Henryi. Creamy white large single flower borne in great profusion. 60c. each; doz., \$6.00.

Jackmanni. Violet-purple, intensely colored gigantic flower. 60c. each; doz., \$6.00.

Mad. Edouard Andre. Velvety red. Flowers are well formed of great substance; the blooms are gigantic. 60c. each; doz., \$6.00.

Paniculata (*Japanese Virgin's Bower*). A strong luxuriant grower, with light green foliage. At the close of August innumerable star-like flowers cover the vine in a sheet of fragrant white. Strong plants, 25c. each; per doz., \$2.50; \$15.00 per 100. Extra strong plants, 50c. each; per doz., \$5.00; \$35.00 per 100.

Duchess of Edinboro. Double, pure white, large flowering. 60c. each; doz., \$6.00.

Coccinea. Bright red, bell-shaped small flowers, which begin to appear in June and last until frost. 50c. each; doz., \$5.00.

Crispa. This variety bears sweet-scented, lavender flowers. 50c. each; doz., \$5.00.



Clematis Paniculata



Clematis Jackmanni

Plants offered on this page can be shipped best via express.. No plants sent C. O D.

(thb)

CELASTRUS (Bittersweet or Waxwort)—Scandens. A vine of rapid, quick growth. In the early summer it produces yellow flowers, which by autumn have turned to bright, orange-colored fruits, with red markings. Extra strong plants, 35c. each; per doz., \$3.50.

CINNAMON VINE—A very free growing climber, with small white flowers deliciously scented; makes a quick, dense shade. These can be mailed. Extra strong roots, 10c. each; per doz., \$1.00; \$7.00 per 100. Strong roots, 5c. each; per doz., 50c.; \$3.00 per 100.

COBEA—Scandens. (Annual). A beautiful blue, cup-shaped flowering annual climber, very desirable for lattice covering, etc. Extra strong plants, 4 in. pots, 30c. each; per doz., \$3.00.

IVY (English). This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 4 in. pot plants, 30c. each; per doz., \$3.00; \$20.00 per 100. 6 in. pot plants, 75c. each; doz., \$7.50; \$50.00 per 100.

LATHYRUS (Hardy Pea)

White Pearl. Glistening pure white; giant flower trusses which are twice the size of the ordinary variety. It flowers during most of the summer and lasts well into autumn. One of the best hardy pillar plants in commerce today. 30c. each; doz., \$3.00.

L.—Latifolius Crimson.

L.—Latifolius Pink Beauty. Brilliant rose.

L.—Latifolius Albus. Pure white.

Extra strong plants of the above (except as noted), 25c. each; doz., \$2.50.

EUONYMOUS—Radicans Variegata. Self-clinging vine, suitable for covering walls, stumps or rockeries, or wherever a vine of slow growing habit is desired. Leaves are variegated. 25c. each; doz., \$2.50; \$15.00 per 100.

E—Radicans Vegetus. A large-leaved form; splendid for covering high walls. On account of their dense foliage and extreme hardiness, it will take the place of English Ivy for wall covering. 35c. each; doz., \$3.50; \$20.00 per 100.

E.—Radicans. Deep green foliage; valuable for covering low walls. 25c. each; doz., \$2.50; \$15.00 per 100.

HOP VINE—Japanese. A rapid grower, with dark green foliage, and bears a profusion of seed-pods suitable for many domestic purposes. Strong pot plants, 20c. each; doz., \$2.00; \$12.50 per 100.

HONEYSUCKLE—Chinese Evergreen
yellow and white variegated flowers; very fragrant; blooms the entire season.

H.—Halliana (Hall's Honeysuckle). Flowers, pure white, turning to yellow; fragrant, hardy evergreen; flowers from June until frost.

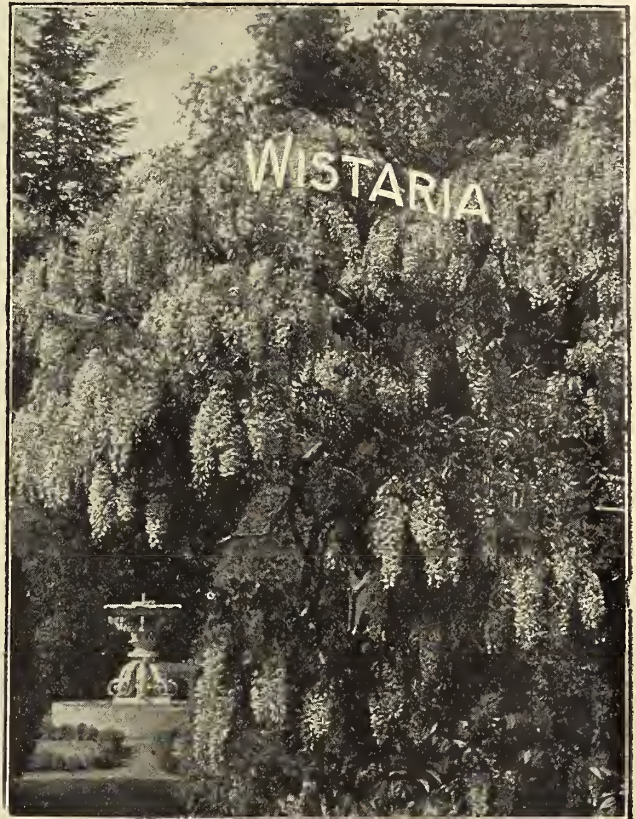
H.—Variegated (Aurea Reticulata). Foliage beautifully mottled yellow and green; flowers white and yellow.

H.—Red Coral or Scarlet Trumpet. Bright red, trumpet shaped flowers. Bloom all summer. Extra strong plants. 50c. each; doz., \$5.00.

Price of any of the above strong plants, 30c. each; doz., \$3.00; \$20.00 per 100.

KUDZU (Pueraria). This vine grows a foot a day and makes a dense covering, exceedingly attractive. Towards the end of summer it produces small, rosy-purple flowers. Extra large plants, 25c. each; doz., \$2.50; \$18.00 per 100.

LYCIUM (Matrimony Vine)—Barbarum. A dense growing climber, somewhat shrubby in nature. In late summer the small purple flowers are followed by a crop of red berries which remain until late winter. 30c. each; doz., \$3.00.



MOON VINE—Learii (Blue Dawn Flower). (Annual.) Enormous blooms of intense violet shade, frequently 4 or more inches in diameter. Planted in amongst white variety, the effect is charming. The Learii type blooms all day. Extra strong plants, 25c. each; doz., \$2.50.

MOON VINE—Noctiflora. (Annual.) A pure white variety blooming toward evening and in the forenoon; the flowers are frequently 6 inches in diameter. Extra strong plants, 25c. each; doz., \$2.50; \$17.50 per 100.

MOON VINE (Hardy). Beautiful rose-pink flowers, large in size. Extra strong plants, 25c. each; doz., \$2.50. (Moon Vines are ready after April 15th.)

MADEIRA OR MEXICAN VINE. The tubers if planted deep and protected during the winter are hardy. The leaf is very deep green, and grows very dense; the flower is very small, white in color. Strong roots, 5c. each; sing'e roots, mailed free; per doz., 50c. (by mail, 60c. doz.); \$3.00 per 100 by express.

SCHIZOPHRAGMA (Climbing Hydrangea).—*Hydrangeoides*. Large white flower trusses somewhat resemble a Hydrangea and produce a remarkable display when in full bloom during July and August. It is adapted for clinging to any rough surface and particularly suited for twining about tree trunks. \$1.00 each; per doz., \$10.00.

WISTARIA. This flowers in the latitude of Philadelphia during May. A strong developed vine produces hundreds of flower panicles, while no foliage is visible until after the flower is faded. They thrive best in the sun, and with an application of cow manure once or twice a season they respond marvelously by an extra growth and an abundance of flowers.

W.—Chinensis (Chinese Wistaria). Pale blue, somewhat fragrant. Extra strong plants, 75c. each; doz., \$7.50.

W.—Chinensis Alba. A beautiful white flowering form of the above. Extra strong plants, 75c. each; per doz., \$7.50.

MICHELL'S HYDRANGEA HORTENSIS

This class of Hydrangeas is seen planted so extensively at the North Atlantic seashore and inland resorts. They seem to do especially well in these localities. It has been the general opinion that the plant is not hardy, but in many places it is not afforded even the slightest protection, although we recommend that care be taken, especially for the first few years after planting, and especially so with the French sorts, to protect them over winter with a covering of manure or other suitable litter, and also to wrap the plants in burlap, straw or even paper will do, as this will protect the flower buds, which are often injured in severe winters, although the plants otherwise do not suffer. If winter protection is used, same should not be removed until all danger of frost is over, otherwise the tender shoots are nipped in the cold nights of early spring, and few flowers are the result. These varieties of Hydrangea often change their colors; for instance, pink varieties will sometimes turn blue. This, however, is infrequent, but when the type is fixed it usually remains so. If, however, it is desired to change pink Hydrangea blue and the latter pink, this can be usually accomplished by incorporating into the soil a few handfuls of soot or iron filings. If this is not obtainable, lump alum broken into small pieces and incorporated into the soil, about $\frac{1}{4}$ lb. to each plant, will usually produce the same results. This class of Hydrangeas is best planted around verandas for fine effects. They can also be set in tubs for wall, coping or lawn decoration. If used in the latter way the plants should be taken in in the winter to a frost-proof cellar and occasionally given some water. Hydrangeas in the summertime should be watered liberally every day when there is no rain. Applications of Cow Manure, Sheep Manure or Bone Meal will greatly increase the flowering qualities.



A Specimen Plant like this put on the Lawn, or about the Veranda base, makes a beautiful show

LATEST NOVELTIES IN FRENCH HYDRANGEAS

These are especially fine varieties, which should be included in every collection. The young plants set out in May will make husky specimens, which will flower the following year. Care should be taken to protect them carefully over winter.

Joconde. Pure white, very large flower heads.
Lakme. Cream white, shading pale pink.
Mme. Foucard. Ruby rose.
Mme. Nicolas Lambert. Pale rose; large flowering.
Mme. A. Rosenkranzer. Pale mauve.
Magenta. Clear rose; large, perfect flowers.
Mme. Rene Jacquet. Flesh colored; very fine.

Price of any of the above varieties, 30c. each; doz., \$3.00.
SPECIAL OFFER.—One each of the 7 sorts for \$1.75.

HYDRANGEA OTAKSA

This is the old-fashioned favorite Japanese variety that usually flowers pink. It produces enormous flower trusses in great numbers. The plant increases in size and flowering ability each year and is the ideal variety for planting extensively at the seashore.

	Each	Doz.
2½-in. Pot Plants	\$0.25	\$2.00
4 " " "	.40	4.00
6 " " "	.75	7.50
8 " " "	1.25	
10 " " "	2.50	
12 " Tub " "	3.50	

Testimonials on Michell's Plants

I have had great luck for the past two years with your plants. I set out 146 roses and did not lose one. Those you sent me last year were fine. They bloomed all summer and fall.
JNO. B. HAUTP.
 Sunbury, Pa.

Those Butterfly Bushes are growing wonderfully. I have them as high as 14 feet, and covered with bloom. I think they are great.
DR. C. L. GREGORY.
 Newman, Cal.

NOTE.—Except on southern orders or in cases where customers have greenhouses, we do not ship this class of plants out until May unless especially requested to do so. Where customers desire them shipped prior to our usual shipping date, we can forward at their risk of loss.

FRENCH HYDRANGEAS (Popular Varieties)

Avalanche. Large head; pure white flowers. A real beauty.
Beaute Vendomoise. Immense flower heads with large florets; white tinted pink.
Botaniste Peltrean. Fringed flowers of gigantic size, of a brilliant lavender-pink color.
Bouquet Rose. Very large flower heads of a uniform shape. The flower is a shade of amber, which later turns a brighter pink.
Eclairer. The nearest approach to red in the hydrangea family; a real sterling novelty.
General de Vibraye. One of the very best, with enormous flower heads of a bright rose color. It is quite early, flowering with Madame E. Moulliere, to which it is an excellent contrast.
Harmonie. Very large trusses with a fast color of pink which does not fade readily.
La France. Very large flowers of a delicate rose pink shade; flower trusses are gigantic.
La Lorraine. Gigantic flowers and trusses pale rose pink.
La Perle. A splendid white variety; one of the best in this color.
Liberte. An attractive shade of pale pink, with enormous flower heads.
Louis Moulliere. A pleasing shade of deep rose pink, with fringed florets.
Mme. Emile Moulliere. This is the best of the newer kinds, bearing gigantic trusses with immense florets, the latter being often 2 inches in diameter. Pure white, with rich carmine eye.
Radiant. Brilliant rose pink, much brighter and showier than others of the same color.
Souvenir de Mme. Chautard. Of dwarf, compact habit, with brilliant rose-colored flower trusses.

Prices of all French Hydrangeas listed above as follows:

	Each	Doz.
2½-in. Pot Plants	\$0.25	\$2.25
4 " " "	.50	5.00
6 " " "	.75	7.50

Plants should be shipped by express. No Plants sent C. O. D.

(hb)



A Hedge of Berberis Thunbergii—Nothing in the Hedge Plant Line Equals it for Grace and Beauty

CALIFORNIA PRIVET

Unlike a fence which needs painting, repairing, etc., and then never looks well. This hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in its beauty with each successive year. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other; this practically places them 6 inches apart, which is desirable to get a quick dense growth. Plant from October 15th till the ground freezes and from March 15th to May 15th.

Height	Doz.	100	1000
1-yr.-old, 18 to 24 in.	\$0.75	\$3.50	\$32.50
1-yr.-old, 24 to 30 in.	1.00	5.00	45.00
2-yr.-old, 30 to 36 in.	1.25	6.50	55.00

NOTE.—Our privet is especially fine and will give splendid satisfaction.

PLEASE NOTE.—All privet offered are of the height specified before shipping, but to save space in packing and transportation all Privet will be shipped cut back to 18 inches. It is advisable to trim it after planting in any event to this height if not lower.

GOLDEN OR VARIEGATED LEAVED PRIVET

Like the California variety, but each leaf is margined and blotched golden yellow, giving it, from a distance, a striking appearance. It is quite new and the stock is limited, when available it will become very popular. We recommend it especially for placing among shrubbery or for planting on the lawn; the contrast between the grass and golden foliage is beautiful.

Bushy Plants, 15 to 18 in. high, 50c. each; doz., \$5.00; 100, \$35.00.

BOXWOOD (*Buxus suffruticosa*.) (For Edging)

In Europe the Boxwood edging plays a very conspicuous part in every garden. There is something about it which adds a homelike feeling to the surroundings. At times, especially in the morning, or after a rain, it seems to permeate the air with a distinct, pleasant odor. A planting lasts a lifetime. Many Boxwood enclosures, planted a hundred years ago, are in existence today. It grows rather bushy, instead of in height. It should be set about 4 inches apart and trimmed to shape according to its growth.

4 to 6 inches. Prices upon application.

6 to 8 inches high. Prices upon application.

BERBERIS THUNBERGII

(Japanese Barberry)

A good hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush, which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Price of Berberis				
Each	Doz.	100	1000	
1 to 1½ ft.	\$0.25	\$2.00	\$12.50	\$100.00
1½ to 2 ft. ....	.35	2.25	15.00	135.00
2 to 2½ ft. ....	.50	5.00	30.00	225.00



A Privet Hedge is Much More Attractive than the Best Fence



Boxwood Edging Adds to a Garden, Charm and Beauty that Cannot be Obtained with any Other Plant

We Can Also Supply All Other Varieties of Hedge Plants

(hb)

PLEASE NOTE.—In order to facilitate the packing of, and so that the least shipping space practical is required, most large nurserymen, including ourselves, will cut back all shrubbery, hedge plants and small fruits prior to packing and shipping.

This trimming back will be practically the same as is usually done at the time of planting, so the stock when received by you need not be trimmed at planting time.

AMYGDALUS (Flowering Almond)

Rubra Flore Pleno Nana. Erect, slender branches, which are covered in May with small, very double, fragrant, pink flowers. Strong plants 1½ to 2 feet. \$1.00 each; \$4.00 for 6; doz., \$7.50.

ALTHEA (Rose of Sharon)

These thrive almost anywhere, producing their bloom from July till September.

Alba Plena. Pure white; double.

Atropurpurea Plena. Double purple.

Duchess de Brabant. Double; deep red.

Totus Albus. Single; pure white.

Plants, 2 to 3 feet high. 50c. each; doz., \$4.00; \$25.00 per 100.

BERBERIS (Japanese Barberry)

Thunbergii. A good, hardy plant of low, dense growth for lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls, a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

	Doz.	100	1000
1 to 1½ feet (plant 8 to 10 inches apart) .	\$2.00	\$12.50	\$100.00
1½ to 2 feet (plant 10 to 12 inches apart) .	2.25	15.00	135.00
2 to 2½ feet (plant 12 inches apart)	5.00	30.00	225.00

BUDDLEYA (Butterfly Bush)

Variabilis Magnifica. Flowers continuously all season. The flower racemes are composed of many little blossoms in the shape and color of lilacs. 3 inch pot plants, 30c. each; \$3.00 per doz.; \$20.00 per 100.

CALYCANTHUS (Sweet Shrub or All Spice)

Floridus. Chocolate-colored double flowers, with a peculiar agreeable odor. Blooms in June. 50c. each; doz., \$5.00.

CERASUS (Flowering Cherry)

Double White. Numerous white flowers conceal the branches in May; 4 to 5 feet. \$1.50 each.

Double Pink. Beautiful shade of pink; splendid for lawn decoration; 3 to 4 feet. \$1.75 each.

CYTISUS (Golden Chain)

Laburnum. A large shrub with shining green leaves and long, drooping racemes of yellow flowers, which appear in early summer; 3 to 4 ft. plants. 75c. each; doz., \$7.50.

CLETHRA (Sweet Pepper Bush)

Alnifolia. Of low and dense growth; has numerous spikes of small white fragrant flowers appearing in July; desirable for moist places or along water edges. 50c. each; doz., \$5.00.

CERCIS (Judas or Red Bush)

Canadensis. A tall slender growing shrub, developing eventually into a large tree. Very early in the spring the leafless branches are covered with delicate deep pink flowers; 2 to 3 foot plants. 75c. each; doz., \$7.50.

CHIONANTHUS (White Fringe)

Virginica. In May and June the tree is covered with long, fluffy panicles of fine white bloom. Strong plants; 2 feet. 50c. each; doz., \$5.00.

CORNUS (Dogwood) (Bush Form)

This plant is so well known that it hardly needs description. The flowers appear before the foliage in May. In the autumn takes on a rich crimson shade.

Florida (White Flowered Dogwood). Strong plants; 2 to 3 ft. 75c. each; doz., \$7.50.

Rubra (Pink Flowered Dogwood). 2 to 3 ft. \$1.50 each.

SPECIAL ATTENTION, PLEASE

The quality of our flowering shrubs is splendid; it must not be compared with small 1-year-old plants. What we offer will usually give an effect the first year after planting and is well worth any difference in cost over the smaller plants.

SHRUBS should be sent by express wherever possible.

Shipping season is usually from March 15th to May 1st and from October 15th to November 15th.

DEUTZIA

The Deutzias are among the most useful of our summer flowering shrubs. For planting either individually or in masses they are very attractive. Can be used for cut flowers.

Candidissima (Fl. pl.). Abundant racemes of double, pure white flowers in June, luxuriant foliage and fine habit. 2 to 3 ft. plants.

Crenata Rosea (Fl. pl.). Double flowering white tinged pink. 2 to 3 ft.

Gracilis. Of dwarf, bushy habit. White flower. 18 to 24 inches.

Price of the above, 50c. each; doz., \$5.00.

EUONYMOUS

Japonica Aurea Var. Beautiful deep green and yellow margined foliage, a splendid evergreen. 12 to 15 inch plants. \$1.25 each; doz., \$12.50.

FORSYTHIA (Golden Bells)

Bright golden yellow, star-shaped flowers burst into bloom just as winter is leaving and while the bush is otherwise bare. In fact, when in flower, nothing else but bloom can be seen.

Fortunei. Erect growing with dark green foliage; strong plants. 3 to 4 ft. 50c. each; doz., \$5.00.

HYDRANGEA

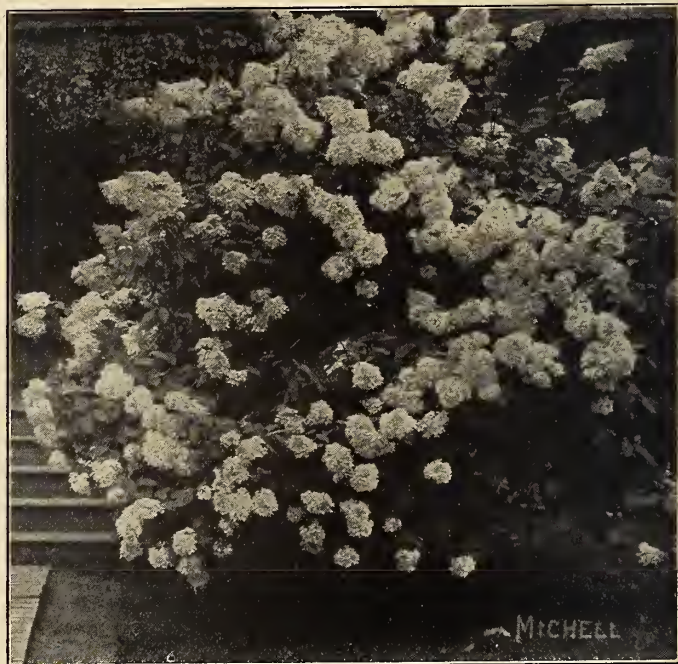
Arborescens Grandiflora Alba (Snowball Hydrangea). The snow-white blooms are of the largest size. Coming into flower early in June and lasting until late August. Is more hardy than any other sorts and especially suited to plant in shaded places. 2 ft., 50c. each; \$5.00 doz.

Paniculata Grandiflora. The large panicles of white flowers are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong bush form 2 to 3 ft. plants, 50c. each; per doz., \$5.00. Extra strong stock, 3 to 4 ft. 75c. each; per doz., \$7.50.

Paniculata Grandiflora (Standard or Tree Shaped). These are fine, planted as individual specimens in the lawn or in the center of beds, containing other plants. Stems, 2 to 2½ feet long with shapely heads. \$1.25 each; per doz., \$12.00.

HYDRANGEA

(Otaksa and French Varieties) (See page 116)



Hydrangea Paniculata Grandiflora

KERRIA (Globe Flower or Corchorus)

Shrubs with light green branches. Does well in any soil, in shaded or open locations, flowering in May and June.
Double-flowered. Of medium size; double yellow flowers. Plants, 2 to 3 feet high. 50c. each; per doz., \$5.00.

LONICERA (Honeysuckle)

Morrowi (*Japanese Bush Honeysuckle*). An open bush with irregular branches. The foliage is dark green with small white flowers, which appear during May. During the late summer and early autumn the plant is covered with bright red berries. Plants, 2 to 3 feet. 50c. each; doz., \$5.00.

MAPLES (Japanese)

Japonicum Atropurpureum. Red leaved Japan Maple. Very fine foliage, which becomes more intense red, as the season advances, at times these revert again in the growing season, but as the plants become older, the fixed color of red becomes more permanent. Extra strong plants, in pots, 18 to 24 inches high, \$1.50 each.

Japonicum Dissectum. Dark red, very fine cut fernlike foliage; the plants have a low, spreading habit. Strong plants, in pots, 18 to 24 inches, \$1.50 each.

Aureum. A delicate shade of greenish yellow, which varies somewhat during the season. This, massed amongst others with dark foliage is a treat for the eye. Extra strong plants, in pots. 12 to 18 inches, \$1.50 each.

PHILADELPHUS (Mock Orange or Orange Blossoms)

A shrub that can always be depended upon to give splendid satisfaction. No insects bother it, and in May and June the bushes are literally covered with flowers.

Coronarius. Handsome foliage and beautiful white flowers, quite fragrant. Plants, 2 to 3 feet. 50c. each; doz., \$5.00.



LILACS

Vulgaris. Common purple, sweet-scented lilac. 18 to 30 inches high. 50c. each; doz., \$5.00.

Vulgaris Alba. Pure white type of the above, but more fragrant. 18 to 30 inches high. 50c. each; doz., \$5.00.

White Persian. Very early flowering; pure white, sweet scented. 18 to 24 inches high. 50c. each; doz., \$5.00.

Persian. Early purple flowering; very profuse. 18 to 24 inches high. 50c. each; doz., \$5.00.

PRUNUS

Pissardi (*Purple-leaved Plum*). A tree-like shrub with dark purple leaves that keep their lustrous colored foliage right up till frost, having small pinkish white flowers in early spring. Plants, 2 to 3 feet. 75c. each; doz., \$7.50.

PYRUS

Japonicus (*Japan Quince*). This shrub is a beautiful sight, when covered in the early spring with cherry-red flowers about the size of an apple blossom. After the flowers fall, many of them set fruit, which is edible, making the finest Quince Jelly for preserves. This plant can also be used for hedge effects, and on account of the thorny nature it is a good barrier against cats, dogs and other animals. Extra strong plants, 2½ ft. 60c. each; doz., \$6.00.

SPIREA

This group embraces a wide variety, so much so that frequently one might suppose that the plants belong to a different family, from which it can be seen that a collection of them will make an effective variety.

Anthony Waterer. Of dwarf, dense habit, bearing a profusion of crimson flowers. 18 to 24 inches, 50c. each; per doz., \$5.00.

Prunifolia (*Bridal Wreath*). The pretty double white flowers are all along the almost leafless stem about May 1st just as the leaves are budding. Splendid plants, 3 feet, 50c. each; per doz., \$5.00.

SYMPHORICARPUS

Racemosus (*Snowberry*). Small red flowers are succeeded by many white berries, remaining on the plant through half the winter; strong plants, 2ft. 50c. each; doz., \$5.00.

VIBURNUM

Carlesi. A new Japanese variety of a compact bushy habit, bearing sweet-scented white flowers, somewhat after the style of a Bouvardia. This is a splendid addition to the Viburnums on account of its great beauty and its exquisite odor. 75c. each; doz., \$8.00.

Plicatum (*Japanese Snowball*). A desirable shrub. Should be in every garden or on the lawn; perfectly hardy, blooming in June. Extra fine plants, 2 to 3 feet. 50c. each; doz., \$5.00.

Viburnum Opulus Sterilis (*Guilder Rose or Snowball*). Of spreading habit, bearing flat clusters of single white flowers, which afterwards produce brilliant red berries, which hang to the plant all winter; very decorative. Strong plants, 3 ft. 35c. each; doz., \$5.00.

WEIGELIA

-Amabilis. A pink flowering variety, in bloom during June and July; extra strong plants, 2 to 3 feet. 50c. each; doz., \$5.00.

Candida. Flowers abundantly in June and July, additional bloom is also shown during the autumn months. The tube-shaped flowers are pure white; fine for cutting. Plants, 2 to 3 feet. 50c. each; doz., \$5.00.

Eva Rathke. Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts, 2 to 3 ft. 50c. each; doz., \$5.00.



Buddleia var. mag. (offered on page 118)

MICHELL'S DECORATIVE EVERGREENS

This list includes the varieties mostly in demand. We can furnish all other sorts.



A Box Planted with Boxwood is an Attraction to the Dwelling

BOXWOOD (Ready after April 15th)

These are fine for planting out as individual specimens in the lawn or along paths and drives. We usually import a large number of these desirable plants in pyramidal form, in natural or untrimmed state, and ball shapes. The untrimmed plants can be used for hedge effects, as individual specimens in porch or window boxes.

Ball Shaped Boxwood

These are effective for vestibule and garden decoration.

12 inch diam.	15 inch diam. ...	} Prices on application
Pyramidal Shaped		
2½ ft. high	4 ft. high	
3 ft. high	5 ft. high	
3½ ft. high		

Tree Shaped

Attractive when placed along garden walks, under pergolas, on verandas, etc. Prices on application.
18 to 24 inch stems, 15 inch head.
18 to 24 inch stems, 18 inch head.

Bush Shaped, Untrimmed

For filling window boxes, planting as specimens, etc.

10 inches high	} Prices on application
12 inches high	
15 inches high	
18 inches high	
24 inches high	

Boxwood Edging. Splendid for garden walks, driveways, etc. Grows into value and adds an air of refinement not obtained with other hedge plants. Strong plants that will make an immediate effect.

6 to 8 in. high. Price on application.

4 to 6 in. high. Price on application.



Pyramidal Box

NOTE ABOUT PRICES

At the time of going to press with this catalog, we were uncertain as to whether it would be possible to import Boxwood, and for that reason we have omitted price. We shall be pleased to correspond in regard to same.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply trees, plants and shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants, trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

MISCELLANEOUS EVERGREENS FOR LAWN AND GROUP PLANTING

Abies Concolor (Silver Fir of Colorado). Tree of graceful habit; broad, handsome foliage, bluish above, silvery beneath. 2 to 3 ft., \$5.00; 3 to 4 ft., \$7.50; 5 to 6 ft., \$12.00.

Abies Nordmanniana (Nordmann's Silver Fir). Slow growth, hardy, eventually large, dark green, massive foliage, silvery underneath, broad and compact. Splendid as a specimen tree. 2 to 3 feet, \$6.00; 3 to 4 feet, \$7.50; 5 to 6 feet, \$12.00.

Juniperus Japonica (Japanese Juniper). A dense bushy grower, with light green and glaucous foliage. 3 to 4 feet, \$5.00.

Juniperus Hibernica (Irish Juniper). It is very useful in formal planting, screenings for small yards and cemeteries. 1 to 2 feet, \$1.50; 2 to 3 feet, \$3.00.

Juniperus Virginiana Glauca (Blue Virginia Cedar). Rich, silvery-blue foliage; keeps color well throughout the entire year. 2½ feet high, \$4.00; 3 to 4 feet, \$6.00.

Juniperus Pfitzeriana. A beautiful new form, with graceful dark green foliage. One of the most attractive of evergreens. 2½ feet high, \$5.00; 3 to 4 feet, \$6.00.

Picea Canadensis (Hemlock Spruce). A rapid grower, very hardy and not particular as to soil. If trimmed it becomes dense and bushy, making beautiful hedges. 2 to 3 feet, \$3.50; 3 to 4 feet, \$5.00; 4 to 5 feet, \$6.00.

Picea Excelsa (Norway Spruce). Rapid grower; does well in most soils. It is highly valued for shelters, windbreaks or hedges. 2 to 2½ feet, \$1.50; 2½ to 3 feet, \$2.50; 4 to 5 feet, \$4.50.

Picea Kosteriana (Koster's Blue Spruce). A deep rich blue. This is one of the finest ornamental evergreens ever introduced, and a specimen or two on the lawn adds dignity and beauty hard to describe. 1 to 1½ feet, \$3.50; 1½ to 2 feet, \$5.00; 2 to 3 feet, \$8.50; 4 to 5 feet, \$12.50 to \$20.00 each.

Pinus Mughus (Mugho Pine). Low growing, broad spreading tree. It is more of a large Pine bush than a tree, and is very ornamental. 1 to 2 feet, \$3.00; 2 to 3 feet, \$6.00.

Retinospora obtusa nana. A slow-growing dwarf variety. It is popular in Japanese gardens, and attracts much attention. 12 to 18 inches, \$4.50; 18 to 24 inches, \$6.00.

Retinospora plumosa aurea. The most popular and generally useful of all the golden evergreens. Especially ornamental, and the soft plume-like golden foliage is particularly bright in spring. A vigorous grower and unsurpassed for color effect. 12 to 18 inches, \$1.50; 2 to 3 feet, \$4.00; 3 to 4 feet, \$5.00; 4 to 5 feet, \$7.50.

Taxus baccata (English Yew). A densely branched spreading bush of a dark sombre hue; one of the best evergreens for clipping into artificial forms. 2 to 3 feet, \$4.50; 3 to 4 feet, \$10.00.

Taxus cuspidata brevifolia. The branches are spreading and the general aspect is less dense than the common Yew. Perfectly hardy. 1½ feet, \$4.50; 2 feet, \$5.50.

Thuja occidentalis (American Arborvitae). A well-known popular evergreen for ornamental hedges; rapid growth. 2 to 3 feet, \$1.50; 3 to 4 feet, \$3.00; 5 to 6 feet, \$5.00.

Thuja occidentalis pyramidalis (Pyramidal Arborvitae). The most narrow, columnar-like evergreen, medium growth, very distinct light green; compact foliage. Very effective in landscape work. 18 to 24 inches, \$1.50; 2 to 3 feet, \$3.00; 3 to 4 feet, \$5.00.

Thuja orientalis elegantissima (Biota orientalis). Medium size, upright pyramidal torch-like form, foliage flaky, tipped with yellow, giving it a bright golden color all summer and autumn, and turning bronze brown in winter. 2 to 3 feet, \$3.50; 3 to 4 feet, \$6.00; 4 to 5 feet, \$8.50.

Thuja occidentalis compacta (Compact Arborvitae). Dwarf, dense little evergreens, having light green foliage and neat attractive habit. For beds, borders, cemeteries, or house decoration it is highly popular. 12 to 18 inches, \$1.50; 2 to 2½ feet, \$3.00.

MICHELL'S DECIDUOUS SHADE TREES for Street, Lawn, Garden 121

Beech (Purple) *F. sylvatica purpurea*. The foliage in spring is a deep purple, changing later to green. Should be closely pruned when transplanted. 4 to 5 feet, \$3.50; 5 to 6 feet, \$5.50.

Beech (Purple Rivers) *F. sylvatica Riversii*. Where a large-growing tree with purple foliage is wanted, nothing equals this. The leaves are always a rich shade, sometimes crimson and sometimes almost black. 4 to 5 feet, \$4.00; 6 to 8 feet, \$7.00.

Beech (Weeping) (*Fagus sylvatica pendula*). Irregular in outline, and has a picturesque beauty peculiar to itself. Its twisted and contorted branches resemble living fountains of foliage. 4 to 5 feet, \$6.00; 8 to 10 feet, \$12.00.

Birch (Cut-Leaved Weeping) *Betula alba laciniata pendula*. Tall, slender, with graceful drooping branches, silvery-white bark and delicately cut foliage. 8 to 10 feet, \$3.50; 10 to 12 feet, \$5.00.

Birch (Young's Weeping) *B. Youngi pendula*. Droops gracefully to the ground in fine, thread-like shoots. One of the most beautiful of the Weeping Birches. 4 to 5 feet, \$5.00; 5 to 6 feet, \$7.50.

Dogwood (Red Flowering) *Cornus florida rubra*. The flowers, which appear early in May before the leaves, are of a deep rosy-pink color, producing a perfect drift of bloom. Foliage large, velvety, dark green in summer and brilliant crimson in fall. 2 to 3 feet, \$3.00; 3 to 4 feet, \$4.00.

Dogwood (White Flowering) *C. florida alba*. Similar to the red-flowering in habit of growth, though attaining larger proportions. A mass of conspicuous white flowers in spring. 4 to 5 feet, \$2.50; 5 to 6 feet, \$3.00.

Elm (American) *Ulmus Americana*. One of the finest street shade trees in the world. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.00.

Horse Chestnut (*Aesculus hippocastanum*). The flowers are large, white, spotted with purple and produced in large, compact spikes. A fine shade tree. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.50.

Larch (European) *Larix decidua*. A conifer with deciduous needle-like leaves; bright green very early in spring, and clear yellow in autumn. 4 to 6 feet, \$3.00.

Linden (American) *T. Americana* (Basswood). The largest-growing Linden. Suitable for parks or streets. When in blossom, its yellow flowers are intensely fragrant. 8 to 10 feet, \$4.00; 10 to 12 feet, \$5.00.

Linden (European) *Tilia Europaea*. Leaves smaller and darker than those of the American Linden, forming a dense shade. 8 to 10 feet, \$4.00; 10 to 12 feet, \$5.50.

Magnolia Conspicua. In habit of growth similar to *Soulangeana*, large, pure white flowers, which are produced in great abundance. 2 to 3 feet, \$5.00; 3 to 4 feet, \$6.00.

Magnolia Soulangeana. A low spreading tree, covered early in the spring before the leaves appear with large flowers, purple at the base and white in the upper half of the petals. 3 to 4 feet, \$3.00; 4 to 5 feet, \$6.00.

Maple (Silver) *Acer dasycarpum*. Of rapid growth; extensively planted for ornament and shade. 10 to 12 feet, \$3.00; 12 to 14 feet, \$5.00.

Maple (Japanese) *A. palmatum Atropurpureum*. The Japan Maple is unsurpassed for ornamental purposes, the blood-red foliage making it strikingly handsome. Trees are dwarf in habit, seldom attaining a height of more than a few feet. 2 feet, \$2.00; 3 feet, \$3.50.

Maple (Norway) *A. Platanoides*. One of the finest park, street, shade or lawn trees in America; of rounded form, compact habit, stout, vigorous growth. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.00; 12 to 14 feet, \$6.00.

Maple (Sugar) *A. saccharum*. Its upright habit of growth, dense shade and adaptability to different soils have rendered it one of the most extensively used. The autumn effect of the foliage is particularly handsome. 10 to 12 feet, \$3.50; 12 to 14 feet, \$6.00.

Mountain Ash (*Sorbus Aucuparia*). A handsome native tree. In autumn and early winter the tree is clothed with large clusters of red berries. 8 to 10 feet, \$4.00.

Mulberry (Teas' Weeping) *Morus alba pendula*. Forms a perfect umbrella-shaped head, with slender, willowy branches, drooping to the ground. 2-year heads, \$4.00; large specimens, \$6.00.

Oak (Scarlet) *Quercus coccinea*. A large, well-shaped tree; in the fall the foliage changes to a brilliant scarlet. 7 to 8 feet, \$3.50; 8 to 10 feet, \$4.00.

Oak (Pin) *Q. palustris*. Foliage deep green and finely divided. The leaves become a shade of scarlet and yellow in autumn. It thrives in almost any soil. 8 to 10 feet, \$4.00; 10 to 12 feet, \$5.00; 12 to 14 feet, \$7.50.

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Norway Maple

Plane (Oriental) *Platanus orientalis* (Buttewood). A favorite tree for avenue and seashore planting, of large spreading habit and rapid growth; not affected by insects. Leaves large, smooth and handsome, affording abundant shade. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.00; 12 to 14 feet, \$5.00.

Poplar (Carolina) *Populus monilifera*. Good in almost any location. 10 to 12 feet, \$3.00.

Poplar (Lombardy) *P. nigra fastigiata var. Italica*. Its tall form, sometimes reaching 120 feet, makes it indispensable in landscape effects for breaking monotony of outline. 8 to 10 feet, \$3.00; 10 to 12 feet, \$3.50; 14 to 16 feet, \$4.00.

Pyrus (Bechtel's Double-flowering Crab). The tree is of medium growth, and the flowers of immense size, of a beautiful pink color, are highly fragrant. Very double. 2 to 3 feet, \$3.00; 3 to 4 feet, \$3.50.

Salisburia (Maiden Hair Tree). One of the oddest and most peculiar of all hardy exotic trees. Its leaves are deciduous, fan-shaped, broad and notched, resembling those of the Maiden Hair Fern. 6 to 8 feet, \$3.00; 8 to 10 feet, \$4.00.

Sweet Gum (*Liquidambar styraciflua*). A rapid-growing tree, thriving in a great variety of soils. The leaves are roundish, but with five to seven pointed spreading lobes. In autumn they assume a rich bronze and crimson. 6 to 8 feet, \$3.00; 8 to 10 feet, \$4.00.

Tulip Tree (*Liriodendron tulipifera*). A popular native deciduous tree, sometimes attaining a height of seventy-five to one hundred feet. 6 to 8 feet, \$2.00; 10 to 12 feet, \$4.00.

Umbrella Tree (*Catalpa Bungei*). For the lawn the *Catalpa Bungei* is very effective. Has a dense, perfect, half-globular or umbrella-shaped head, high on a straight upright stem. On the terraces when used in connection with the California Privet hedge the effect is most pleasing. Price, 6 to 7 feet stems, 1-year heads, \$2.50 each; 6 to 7 feet stems, 4-year heads, 7.50 each. year heads, \$2.50 each; 6 to 7 feet stems, 2-year heads, \$4.00 each; 6 to 7 feet stems, 4-year heads, \$7.50 each.

Weeping Willow (*Salix Babylonica*). This is the well-known Weeping Willow, whose long pendulous branches droop so gracefully, and sway to the lightest breeze. Grows well in wet or dry places. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.00.



Catalpa or Umbrella Tree



Every garden should have some space reserved for small fruits. None bought in the market can compare with those picked fresh by yourself when you want them. Any surplus that cannot be consumed may be put up for winter use.

SPECIAL NOTICE

In order to save time and shipping space, in the future before shipping we will trim back all vines and bushes of small fruits unless expressly ordered otherwise. The plants invariably should be trimmed back before being planted, so customers will know we have done this; when they receive the plants they are ready to plant out and water.

BLACKBERRIES (Extra Strong Plants)

Blackberries thrive most anywhere. The plants are subject at times to attacks of rust, particularly during prolonged wet spells in summer. A spraying, especially underneath the foliage, with copper solution, usually arrests this. However, if the disease spreads too much, it is best to dig up the bushes, burn them and plant new ones in another part of the garden. If they are sprayed before being affected it is the best plan.

Eldorado. A very vigorous grower, free from mildew or rust, enormously productive; fruit large, excellent quality, without core.

Mersereau. Remarkably strong grower. An enormous producer of extra size berries which are brilliant black and retain their color under all conditions; very sweet, without core. Unsurpassed as a shipper and keeper.

Price of Blackberries, 75c. doz.; \$4.00 per 100..

Note.—If Blackberries are desired by Parcel Post allow 15c. per dozen for postage, as we send out only extra strong plants which generally bear some the first season.

CURRANTS (Extra Strong Plants)

Currants like good, rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

Black Naples. Fruit varies from small to large, averaging medium; strong flavor. An old and well-known variety which makes splendid jelly; the flavor is very distinct and preferred by many.

Red Dutch. An old and well-known standard variety; clusters average about three inches long; berries medium in size, dark red.

Price.—Any of the above varieties of Currants, strong 2-year-old, 20c. each; per doz., \$1.75; \$12.00 per 100.

Note.—If Currants are desired by Parcel Post, add 20c. per doz. for postage, as we send out extra strong bushes.

GOOSEBERRIES (Extra Strong Plants)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

Downing. Fruit medium to large, whitish green; flesh soft, juicy.

Red Jacket. Of American origin, possessing all the good qualities of the English type, and withstanding our severe climatic conditions with impunity. A wonderful cropper, with clean healthy foliage.

Price of Gooseberries, 25c. each; doz., \$2.50; \$15.00 per 100.

Note.—If Gooseberries are wanted by Parcel Post, please add 25c. per doz. for mailing charges.

PLEASE NOTE.—Some States forbid the shipment of Gooseberries into their boundary. In ordering it might be well to know if there is such a law in your State.

SPECIAL NOTICE ON GUARANTEE

We spare no efforts to supply "small fruit" bushes of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee these and trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

NOTE.—Owing to the peculiar laws of Florida concerning the shipping of nursery stock into that State, we regret **WE ARE UNABLE TO ACCEPT ORDERS FOR NURSERY STOCK or SMALL FRUITS FOR SHIPMENT WITHIN THE STATE OF FLORIDA.**

GRAPE VINES

A few of these planted in the garden after several years will yield abundant crops, and they last for years with little attention except pruning and spraying.

Caco. The most delicious of all Grapes—perfectly hardy, has been pronounced by America's most expert grape growers to equal in high quality and melting texture the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent. The large berry is wine-red. Bunch of good size, compact and of good form. Ripens in ten days to two weeks in advance of Concord; rich in sugar, excellent in flavor. Vine a very strong, vigorous grower, healthy and prolific. This is a very fine variety and is easily worth the slight advance in price over the older varieties. 50c. each; doz., \$5.00.

Campbell's Early. A valuable and delicious grape; vine very strong, hardy and vigorous, with thick, healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich, delicious.

Catawba. Delicious flavor, medium size red berry.

Concord. The well-known standard purple variety, succeeds wherever grapes will grow.

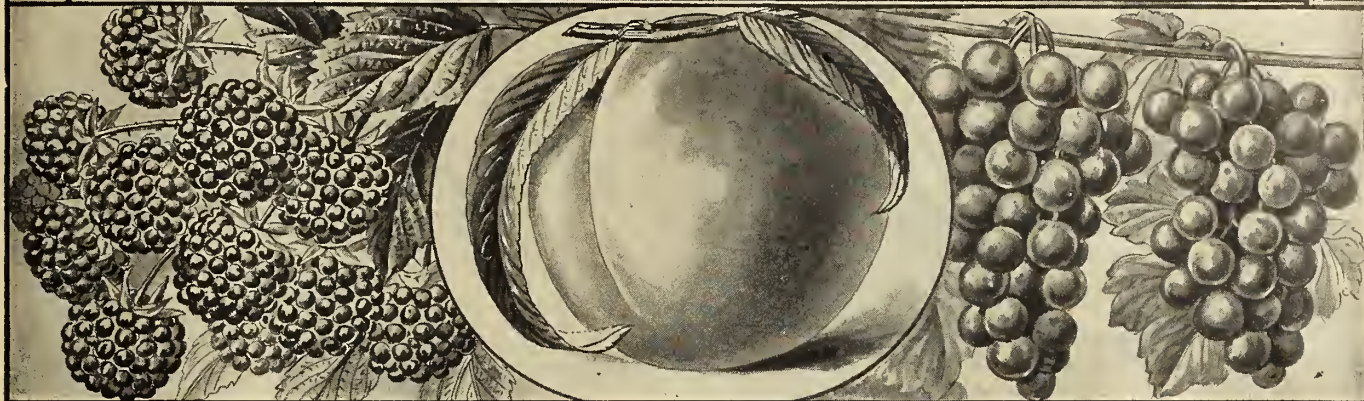
Moore's Diamond. A strong healthy grower, hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

Niagara. An unusually strong grower; bunches very large and compact; berries large, light greenish-white, semi-transparent, has very little pulp and is sweet to the centre.

Prices.—2-year-old vines (except the Caco Variety), 35c. each; doz., \$3.50; \$22.00 per 100. If Grape Vines are wanted by mail, add 5c. each for postage charges.

Please Note.—We have reduced the variety of Grape Vines offered, retaining the best in varieties which cover the different colors.

Shipping Seasons for small fruits are from March 25th to May 15th and from October till freezing.



RASPBERRIES (Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We also recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

Cumberland (Blackcap). The largest raspberry known. Selected specimens measure an inch in diameter, immensely productive.

Cuthbert. Berries very large, measuring 3 inches around; conical; rich crimson; one of the old-time favorites.

Golden Queen. Berries are large, of beautiful bright yellow, of excellent quality; medium to late; very sweet.

Price of any of the above Raspberry Plants (except where noted): 75c. per doz.; \$4.00 per 100;. If Raspberries are wanted by parcel post, add 15c. per dozen for charges.

EVERBEARING RASPBERRY "RANERE"

This yields its first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August and continues bearing right up to November.

It thrives equally well on sandy and heavy soil. The fruit is large, of a beautiful crimson color, very sweet and juicy and is borne in great abundance, and does not seem to sunscald as easily as other sorts. A photo was made of a stalk which had by actual count 169 berries on one stem. This will give some idea of its free fruiting qualities.

We send out strong plants, which, from our experience in the past, should bear the first season.

Price, \$1.00 per doz.; per 100, \$5.00.

If wanted by mail, add 15c. per doz. for postage.

STRAWBERRY PLANTS

(Extra Strong Layers)

Ready from April 1st to May 15th.

EARLY VARIETIES

Early Jersey Giant, Early Ozark, Senator Dunlap.

MID-SEASON VARIETIES

Bubach, Big Joe, Heritage, Restawico.

LATE SEASON VARIETIES

First Quality, Brandywine, Gandy, Glen Mary, Stevens' Late Champion.

Price of the above, 40c. per doz.; \$2.00 per 100; \$15.00 per 1,000.

FALL FRUITING VARIETIES

"Peerless" (New). This variety is claimed to be the best fall bearing sort, producing right up to heavy frosts, as the fruit is protected by the large, vigorous foliage.

Progressive and Superb.

Price of the Fall Fruiting Varieties, 50c. per dozen; per 100, \$2.50; \$20.00 per 1,000.

If layer Strawberry Plants are wanted by mail, add 5c. per doz. and 15c. per 100 for mailing charges.

Pot-Grown Strawberry Plants ready about May 1st. Price on application now or at that time.



Heritage

CHOICE FRUIT TREES (Extra Strong Stock)

These can be shipped by express only.

APPLES

Baldwin. Large round, deep red; late variety.

Ben Davis. A late keeper; handsome striped fruit.

Grime's Golden. Deep golden yellow; fine for Christmas.

Hyslop (Crab). Deep crimson with blase bloom.

Maiden's Blush. Clear pale yellow, red cheek; fine.

Smokehouse. Yellow striped, bright red; crisp and juicy.

Stayman's Winesap. Fine variety, good keeper, deep red on a yellow ground.

Transcendent (Crab). Yellow striped, red; good yielder.

Price of Apple Trees: 6 to 8 ft. high, \$1.00 each; \$5.00 for 6; \$8.00 per doz.

APRICOTS

Alexander. Orange yellow with faint blush; firm, coarse flesh.

Catherine. Early, oblong shaped, rich orange with red cheek.

J. L. Budd. Early light orange, similar to Catherine.

Price of Apricots: 75c. each; 6 for \$4.00; \$7.50 per doz.

CHERRIES

Black Tartarian (Sweet). Large, purplish black; immense bearer.

Early Richmond (Sour). Dark red, medium size, splendid flavor.

Governor Wood (Sweet). Light yellow, shaded bright red.

Large Montmorency (Sour). Light red; very productive.

Windsor (Sweet). Large liver colored; fine fruit.

Price of Cherry Trees: 5 to 7 feet, \$1.00 each; \$5.00 for 6; \$8.00 per doz.

FEACHES

Belle of Georgia. Free-stone, rich creamy white; red cheek.

Carman. Early, pale yellow red blush; very fine.

Crawford's Late. Greenish yellow with dull red cheek.

Elberta. Medium, very large, yellow with red cheek.

Mountain Rose. Early, white with red cheek; free-stone.

Stump the World. White with red shading; free-stone.

Price of Peach Trees: 5, to 6 feet, 75c. each; \$3.00 for 6; \$5.00 per doz.

PEARS

Bartlett. Yellow, shaded blush; very sweet and juicy; early.

Kieffer. A fine variety for late autumn and for canning.

Lawrence. Canary yellow, sweet and a splendid keeper.

Seckel. Small, yellowish brown; very sweet and juicy.

Price of Pears: 5 to 7 ft., \$1.00 each; \$5.00 for 6; \$8.00 per doz.

PLUMS

Abundance. Amber, turning to a rich bright cherry color.

Burbank. Orange yellow, overlaid red, rich and sugary.

Hale. Bright orange yellow, mottled cherry red.

Price of Plums: 5 to 6 ft., \$1.00 each; \$5.00 for 6; \$8.00 doz.

QUINCES

Champion. Very prolific bearer; large fruit.

Meech. Large fruit, bright orange yellow; bears young.

Orange. Round, golden yellow; fine for preserving.

Price of Quinces: 4 to 5 ft. trees, \$1.00 each; \$5.00 for 6; \$8.00 per doz.

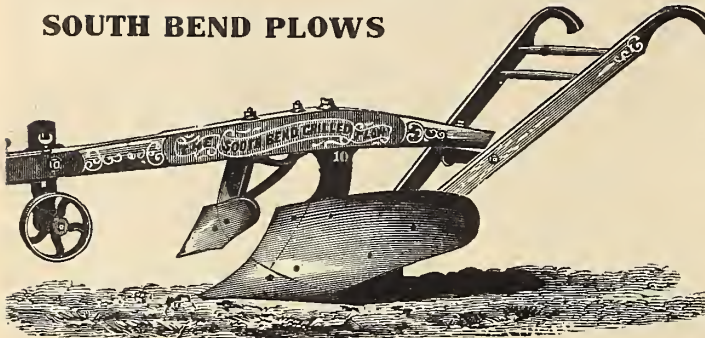
NUT TREES

Owing to the great difficulty in establishing these, and the fact that many States prohibit the entry of Chestnut trees into their boundaries, we will not list nut trees of any variety for the present. We shall be pleased, though, to supply them on order.

NOTE.—We can also supply all other varieties of Fruit Trees.

MICHELL'S FARM AND GARDEN TOOLS

SOUTH BEND PLOWS



The South Bend Plow is one of the most popular and efficient makes on the market today. For private garden, farm or truckers' work it meets every requirement; made of chilled steel in various sizes to meet all conditions.

No. 1B. Wood beam plain, one horse	\$10.00
No. 2F. Wood beam plain, 1-horse, heavy; or 2-horse, light	12.50
No. 3A. Wood beam plain, two-horse	16.50
No. 4. Wood beam plain, two-horse, heavy	20.00

The No. 2-3-4 SB Plows can be equipped with wheel and jointer at the following additional cost: Wheel only for No. 2F, \$1.75; wheel for No. 3 and No. 4, \$2.00; jointer only, \$3.50. Prices named above are for plain plow.

PRICE LIST OF SOUTH BEND PLOW PARTS

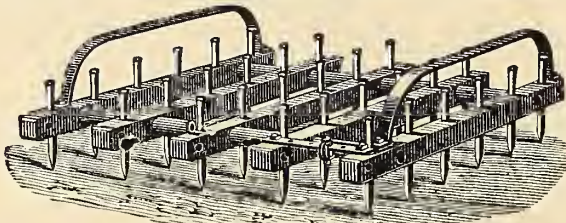
	Shares	Mould-boards	Beams	Handles	Jointer-points	Land-sides
No. 1B	\$0.50	\$2.75	\$2.25	\$2.25		\$0.85
No. 2F	.60	4.00	2.50	2.25	\$0.35	1.35
No. 3A	.75	5.00	3.00	2.25	.35	1.50
No. 4	.80	5.50	3.25	2.50	.35	1.75

SINGLE AND DOUBLE TREES



Wood Single Trees, 26 inches, hooks or rings. Price.....	\$1.10
Wood Single Trees, 28 inches, hooks or rings. Price.....	1.25
Wood Double Trees, heavy, No. 2, hooks or rings. Price.....	3.50
Steel Single Trees, 24 inches, hooks or rings. Price.....	1.75
Steel Double Trees, 33 inches, No. 0, hooks or rings. Price..	6.00

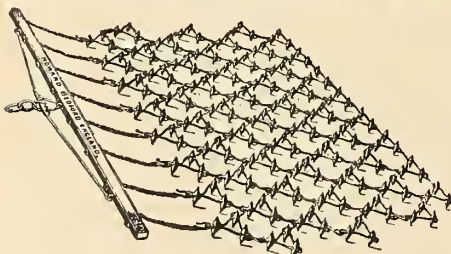
GARDENER'S SPIKE TOOTH HARROWS



Though old-fashioned in appearance and construction, this harrow is still preferred by many; fitted with runners, upon which it may be turned to take it from place to place.

Price, 24 teeth.....\$11.00 Price, 32 teeth.....\$12.00

SCOTCH CHAIN HARROW



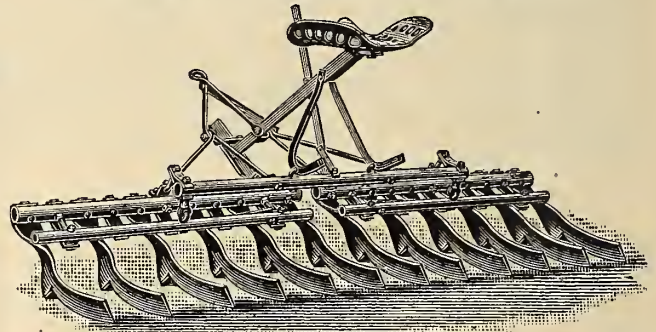
One of the best implements for pulverizing the surface soil, leveling and smoothing, and is also splendid for covering grass seeds, etc. Used on driveways and race tracks, it smoothes the surface, eliminating ruts and footprints.

	Weight
No. 1F. One-horse size, 5 x 6 feet	126 lbs.
No. 2F. Medium two-horse, 6 x 7 1/4 feet	236 "
No. 3F. Full two-horse size, 9 x 11 feet	357 "
Price on application.	

IMPORTANT NOTICE

The attention of our patrons is called to prices. Those listed in this catalog were in effect at the time of printing, but like most everything they are subject to such advance or change as may be necessary by reason of such changes the manufacturers of the goods offered in this catalog may make. We will, however, do our best to avoid any increases.

ACME PULVERIZING HARROW



This will be found by those having a large acreage an indispensable implement for pulverizing and crushing the ground so thoroughly as to give it the appearance of being done by hand.

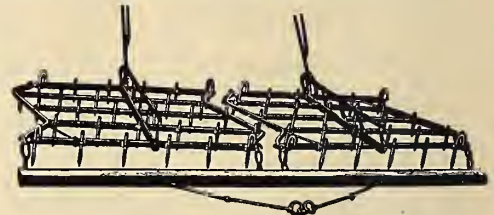
No. 23. Price, 6 ft. covering area, 2-horse. Price on application.

No. G. Price, 3 ft. covering area, 1-horse. Price on application.

Extra blades, \$1.00 each.

STEEL SPIKE TOOTH HARROWS

These are equipped with a lever for lessening or increasing the depth of cultivation and are adjustable instantly. The teeth are equipped so as to readily pass any obstruction in the soil.



Tooth	Sections	Price
25	1	\$12.50
30	1	14.00
50	2	22.50
60	2	25.00

SPRING TOOTH HARROWS

Splendid for breaking up clods after plowing prior to working the land up into a fine seed bed.

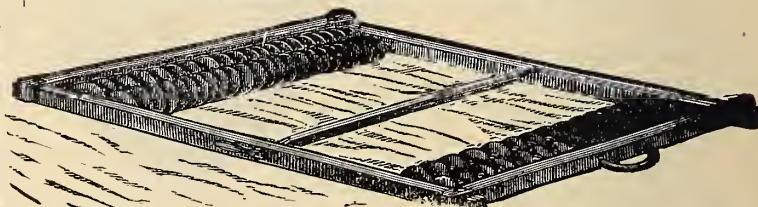
Tooth	Sections	Size	Price
15	2	5 ft. 4 in.	\$28.50
17	2	6 ft.	32.50
8	1	3 1/2 ft.	13.50

DISC HARROWS (2 HORSE)

WITH FORE TRUCK

Discs	Diameter	Cut	Price
8	16 in.	4 ft.	\$54.00
10	16 "	5 "	60.00
12	16 "	6 "	70.00

THE MEEKER DISC HARROW



A splendid soil pulverizer, rendering it as fine as though done with a rake.

No.	Size	Price
No. 1.	4 ft. 6 in. x 4 ft.—8 in. discs.....	\$32.00
No. 2.	6 ft. 8 in. x 6 ft.—8 in. discs.....	40.00
No. 3.	8 ft. x 6 ft.—8 in. discs.....	45.00
No. 4.	8 ft. x 6 ft.—10 in. discs.....	57.50

No. 7 KEYSTONE WEEDER

Surface cultivation stirs the soil, keeps down weeds and prevents evaporation of moisture. It can be adjusted to cover a 7½-foot stretch or graduated down to a 2½-foot stretch. Any of the teeth can easily be removed, if it is desired not to cultivate very finely. The teeth are narrow, go into the soil easily; do not cultivate deep, like other machines. This tool is excellent for preparing a piece of ground prior to sowing lawn seed, etc. Equipped for one horse. Price, \$17.50.

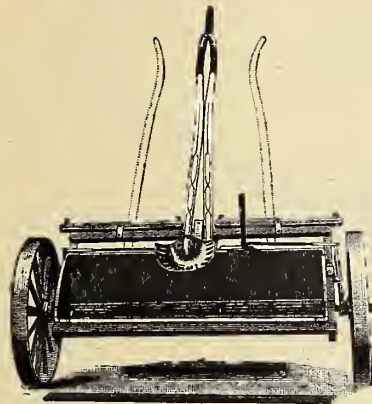


The Keystone Adjustable Weeder

THE STEVENS FERTILIZER DISTRIBUTOR



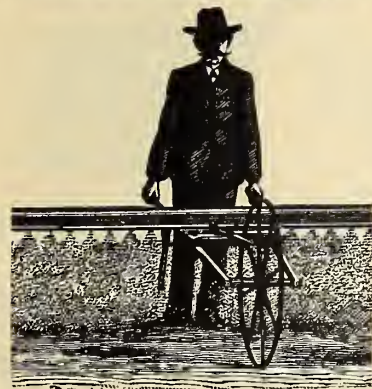
For distributing bone meal, wood ashes and other commercial fertilizers on fields, lawns, golf courses, etc., also for sanding putting greens. Insures perfect and even distribution, requiring less time than by the broadcast hand process. **Hand Machine** holds about 1¾ bu., covering area 3 ft. wide. Nicely finished. Price, \$15.00 f. o. b. Philadelphia.



Horse Machine. For use on large lawns, fields and golf grounds. It has a device for regulating the quantity to be sown. It is equipped with broad tires, which do not readily cut into the ground. Equipped for either one or two horses, as may be desired. 5-ft. 10-in. spreading area, 8-ft. 3-in. spreading area.

Prices on Horse Power Fertilizer distributors on application.

WHEEL BARROW GRASS SEEDER



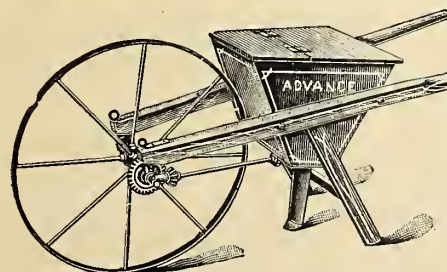
This machine is now largely used for distributing grass and other seeds over large areas. The distributing box is very near the ground, which is an important feature, preventing the seed from blowing away and thus coming up unevenly.

No. 9 (especially for Grass Seed), \$10.00.

No. 5. \$9.00.

These seeders sow an area 14 ft. wide.

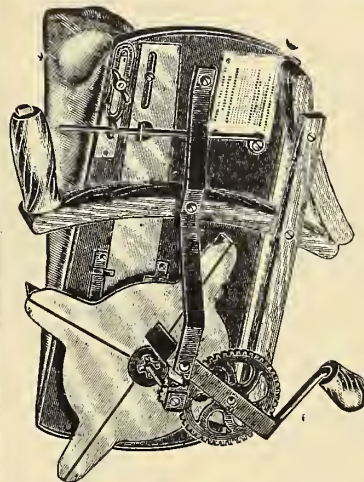
FIG. 56 "ADVANCE" DRILL



A shut-off, to prevent the escape of fertilizer when wheeling around end of row, is a late improvement; being one of those little things which go far, however, in making a tool valuable. A first-class machine

for the drilling of peas, corn and fertilizer. Price, each \$12.00.

BROADCAST SEED SOWERS



Rittenhouse Seeder



Cahoon Seeder

For accurately sowing Timothy, Clovers, Millets and heavy seeds of grass and other farm crops. Can be regulated to sow any required quantity per acre. **Cahoon Make**, each...\$4.00
Rittenhouse, each..... 2.00

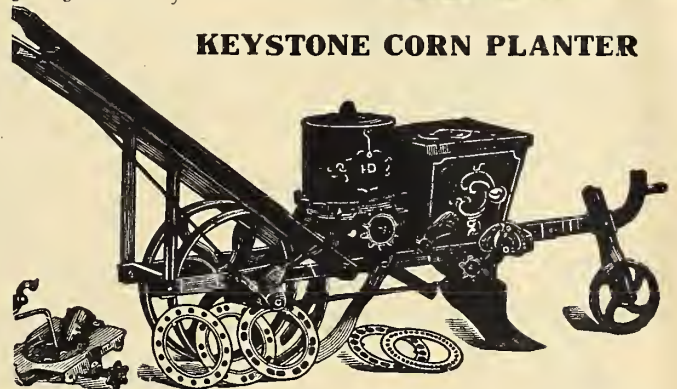
ROAD SCOOPS

For dragging soil from one place to the other, grading, etc.

- | | |
|----------------|------------------------|
| 1L. 7-foot.... | } Price on application |
| 2L. 5-foot.... | |
| 3L. 3-foot.... | |



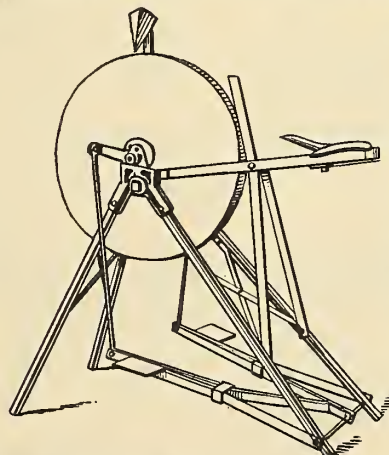
KEYSTONE CORN PLANTER



Keystone Corn Planter

No. 6½. This is operated with one horse, and will plant from 10 to 12 acres per day in either hills or drills, as desired. Equipped with a Fertilizer attachment, which operates very accurately. It will also plant peas, beans, mangels, or other seeds, when equipped with proper regulating rings which we can furnish at 35c. each. Price, complete, without extra crop rings, \$25.00. Without fertilizer attachment, \$16.00.

STERLING MOUNTED GRINDSTONE



Strong, easy running substantially made, heavy steel frame, securely braced, with seat and double treadles, cranks and crank shaft, fitted with improved ball bearings, encased so they will keep clean. The balls cannot work loose or drop out, and the bearings are of the very best quality. They are practically frictionless. Stone, 19 to 22 inches diameter, 1¾ to 2¼ inches thick.

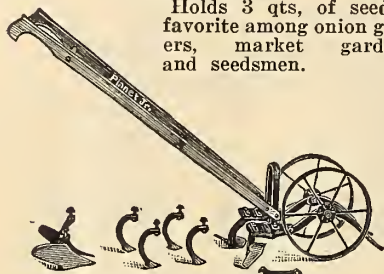
Weight, 100 lbs.
Shipped knocked down, crated. Price, \$10.00.

PLANET JR. SEEDERS, WHEEL HOES

No. 3 PLANET JR. HILL AND DRILL SEEDER

Price, \$17.50

Holds 3 qts. of seed. A favorite among onion growers, market gardeners and seedsmen.



The flow of seed is instantly started or stopped by the cut-off rod. No seed wasted at end of rows. Sows in large or small quantities in drills or in hills.

No. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW

Price Complete, \$18.50



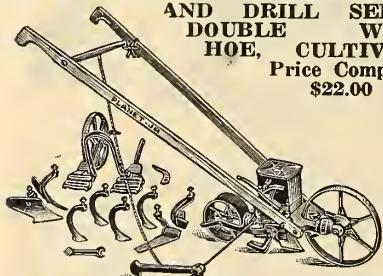
Soon pays for itself in the family garden as well as in the larger acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily all through the season.

No. 4D SEEDER. Price, \$14.50

Same as above less the cultivating attachments.

No. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR

Price Complete, \$22.00



A splendid combination for the family garden, onion grower or large gardener. Is a perfect seeder and combined double and single wheel hoe.

No. 31 PLANET JR. COMBINED DRILL SEEDER AND SINGLE WHEEL HOE

Price Complete, \$12.00.

No 31D as a DRILL SEEDER Only, \$9.50.



This new tool is of great value to gardeners who have never felt able to own either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision. Quickly changed to a splendid wheel hoe. A special machine for the small gardener.

No. 11 PLANET JR. DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE

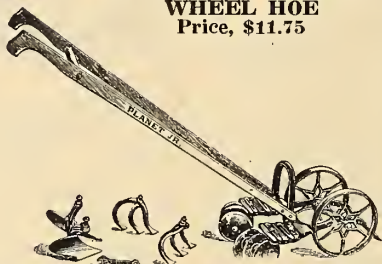
Price Complete, \$15.25



A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Steel frames; 14-inch steel wheels. The greatest hand-cultivating tool in the world.

No. 12 PLANET JR. DOUBLE WHEEL HOE

Price, \$11.75



No. 12 is the same as No. 11, but without the rakes and one pair hoes.

No. 16 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW

Price, \$9.75



The highest type of single wheel hoe made. Light, but strong, and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest and best way.

No. 17 PLANET JR. SINGLE WHEEL HOE

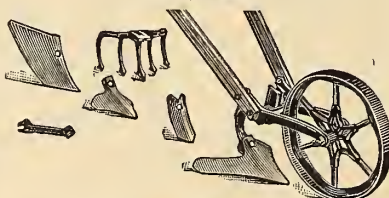
Price, \$8.00



No. 17 is the same as No 16, but without the rakes and leaf lifter.

No 33 PLANET JR. SINGLE WHEEL HOE

Price, \$6.00



The No 31 without seeder.

PLANET JR. CATALOG FREE

Describes over 70 tools, including entirely new ones. Horse Hoes, Harrows, Orchard and Beet Cultivators, Seeders and Wheel Hoes. Write today!

No. 13 DOUBLE WHEEL HOE

This is like No. 12, except that it is equipped with 1 pair side hoes only. \$8.25.

No. 17½ SINGLE WHEEL HOE

\$5.75.

No. 18 SINGLE WHEEL HOE

This is like No 17, except that it is equipped with 1 pair side hoes only. \$5.75.

No. 14 PLANET JR. DOUBLE WHEEL HOE

Price, \$13.50



The disc leaves the ground fine and level. The prong teeth do fine, deep work. The plows open furrows, cover and flow to or from growing crops.

FIRE-FLY GARDEN PLOW

Price, \$3.75



Useful to owners of small gardens, and to chicken raisers for plowing up scratching-yards. Its light weight makes it easy for man, woman or boy to use.

PLANET JR. STAR PULVERIZER

Price, \$6.00

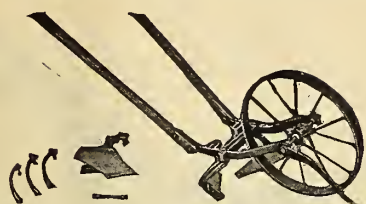


PARTS OF PLANET JR. WHEEL HOES

Disc Hoes	.....pair	\$3.50
4½-inch Hoes C. & D1.....	"	1.20
6 " Hoes C. & D1.....	"	1.30
7 " Hoes C. & D1.....	"	1.50
8 " Hoes C. & D1.....	"	1.60
Peat Land Hoes	.....	2.00
4½-inch Hoe Steels 552/553....	"	.60
6 " Hoe Steels 1092/1093..	"	.70
7 " Hoe Steels 1700/1701..	"	.90
8 " Hoe Steels 997/998....	"	1.00
3-prong Cultivator Teeth	.....	2.00
Cultivator Teeth, Regular, No. 1395, all steel, each	.....	.40
Narrow Cultivator Teeth, No. 2775, all steel, each	.....	.40
Rakes, Three Tooth	.....per pair	1.10
Rakes, Five Tooth	.....per pair	1.50
Plows for Double Wheel Hoes..	pair	1.50
Plow Steels for D. W. H....	"	1.00
Plows for Single Wheel Hoes..	each	1.50
Plow Steels for Single Wheel Hoes..		.90
Double Mouldboard Plows	.....	2.00
Marker Attachment for Wheel Hoes.		1.60
Handles	.....per pair	1.25

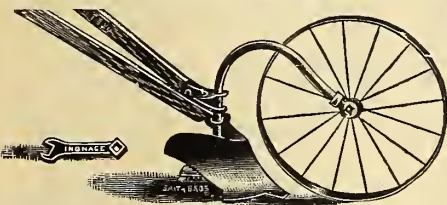
We are headquarters for Planet Jr. tools. Come see them.

(hb)



No. 230R I. A. SINGLE WHEEL HOE

This is a new addition to the Iron Age line and regarded as an improvement on the No. 9 machine which has been discarded. Price as per cut, including rakes, \$10.00.

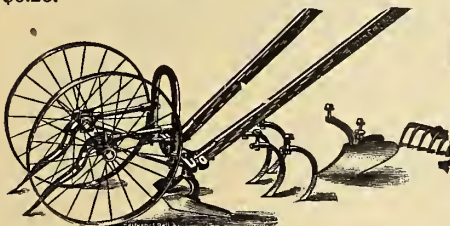


N. 11 WHEEL PLOW

The work of hilling up crops in the garden by the old method is acknowledged difficult by any one who has tried it. Not only will the Wheel Plow do this work with less effort and more rapidly; it also does it much better. Price, \$5.00.

No. 12 WHEEL HOE AND PLOW

This tool is a most desirable one for the family garden and truck patch. It is equipped with 1 pair side hoes, 1 hillside plow and 4 cultivator teeth, and is one of the most popular of the Iron Age tools. Price, \$6.25.



No. 301R IRON AGE DOUBLE WHEEL HOE

Double Wheel Hoes will work complete both sides of a row with safety, and the entire soil gets thoroughly loosened without the least possible injury to the plants. The high centre arch enables this type of machine to be used where others would not be so practical. Two rakes not shown accompanying this tool. Price, \$13.00.

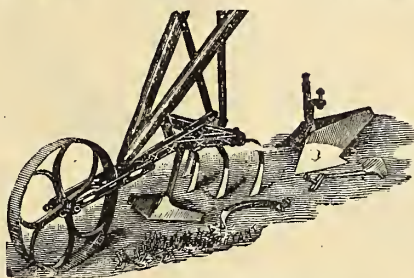
No. 303 Wheel Hoe is the above machine with one pair side hoes only. Price, \$8.75.

No. 39 IRON AGE HAND PLOW

For making furrows, hilling, etc. Price, each, \$2.50.



Iron Age Hand Plow



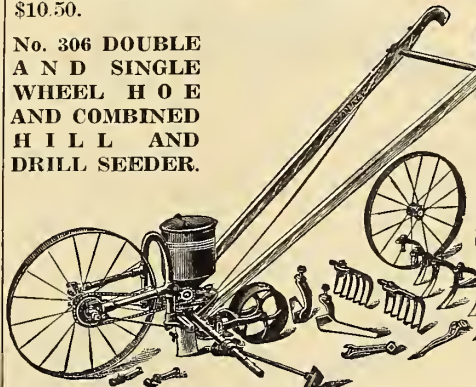
GEM SINGLE WHEEL HOE

Of garden tools this is the most popular, being low in price and complete in detail; suited for most any work in a garden. It weeds, hoes, hills and harrows. Price, \$8.50.

GEM DOUBLE WHEEL HOE

Similar to the single wheel machine, excepting for the fact that it possesses another wheel and is minus the scufflers. It has instead one pair of side hoes, which can be used to better advantage on such a tool. The wheels may be adjusted to enable plants to be worked on both sides of row. Price, \$10.50.

No. 306 DOUBLE A N D SINGLE WHEEL H O E A N D COMBINED H I L L A N D D R I L L S E E D E R.



From a Seed Drill this tool can be converted into a Wheel Hoe, either single or double, it requiring but about three minutes to change to a Double Wheel Hoe, and about two minutes to a Single Wheel Hoe, by an inexperienced operator. Price, as in cut, but without rakes, \$22.00.

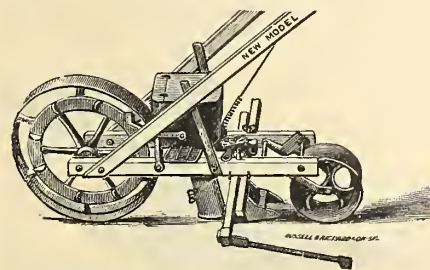
No. 304 COMBINED DOUBLE AND SINGLE WHEEL HOE AND D R I L L S E E D E R

Similar to the No. 306 Combined Double Wheel Hoe, Hill and Drill Seeder. It only differs in the seed sowing device and opening plow. Both tools as Double and Single Wheel Hoes are identical. The seed sowing device of our No. 304 is only designed to sow seeds in continuous rows. Price, complete, without rakes, \$21.00.

Our Garden Tool Department we believe to be the most fully equipped of any seed store in the United States. Most every tool of real merit for garden work will be found here, and of the best quality.

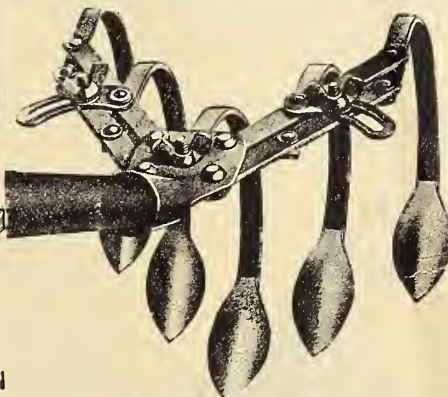
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MODEL SEED DRILL

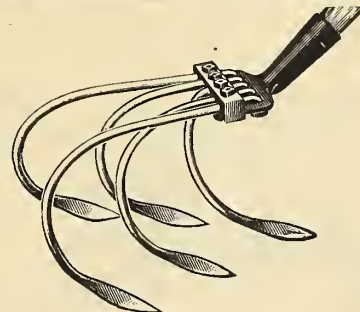
The depth of sowing can be regulated to any desired distance. It is well named the market gardener's drill, having a large capacity for seeds, and is a wonderfully efficient machine. Price, \$15.50.



Pull-Easy Weeder and Cultivator

THE PULL-EASY WEEDER AND CULTIVATOR

This tool is all that its name implies; the teeth are adjustable to various widths; splendid for going between rows of young-growing crops; made of best material in a substantial manner. Can be shipped by express or freight only. Price, \$1.75.



Invincible Cultivator

INVINCIBLE CULTIVATOR

For the kitchen garden and large truck patch; this will be found a useful tool for weeding, loosening the soil, preparing seed beds, etc. Price, with long handle, \$1.25.

IRON AGE WHEEL HOE PARTS

Fig. 32—Gem Landside Plow	.....\$1.75
Fig. 82—Iron Age Landside Plow	.... 1.75
Fig. 84—Weeder for S. W. Hoes	.... 1.50
Fig. 81—Weeder for D. W. Hoes, pair	1.75
Side Plows, 6 in., right or left	each .75
Side Hoes, right or left	..... .65
Fig. 561—Rakes, 6-tooth	..... .70
Teeth, Gem	..... .40
Teeth, Iron Age	..... .40

128 MICHELL'S FARM AND GARDEN TOOLS

PLANET JR. TWELVE-TOOTH HARROW CULTIVATOR AND PULVERIZER



No. 90. Complete with Steel Wheel, \$19.00.
No. 90. Without Pulverizer, \$16.00.
No. 90. Without Pulverizer or Wheel, \$12.25.

With the Twelve-Tooth Harrow here shown, you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil, mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches.

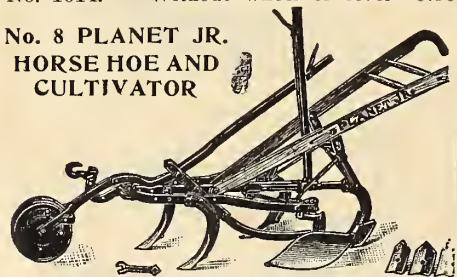
IRON AGE DIAMOND-TOOTH HARROW AND CULTIVATOR No. 1014 E. P.



The teeth are diamond shape, with a small cultivator tooth forged on one end—steel, of course. For very close work, every other tooth can be quickly removed. Cultivating width when equipped with lever expander, 34 inches; with plain expander in place of lever expander, 38 inches.

No. 1014EP. Complete, as in cut, \$12.25
No. 1014E. Without wheel, with lever 11.25
No. 1014. Without wheel or lever 9.50

No. 8 PLANET JR. HORSE HOE AND CULTIVATOR

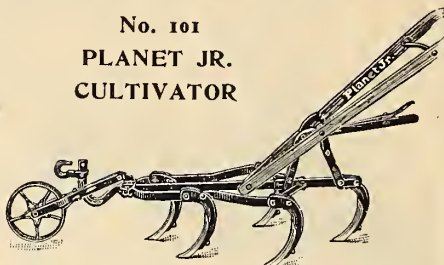


The lever wheel and depth regulator enable the operator to increase or lessen the depth of tilling by the mere stroke of the arm. The side or covering steel and shovel may be taken off and the arms so turned that when the extra teeth, which accompany the machine, are attached, it presents a perfect five-toothed cultivator. Price, \$19.00.



Iron Age Cultivator Teeth
(See Prices Opposite)

No. 101 PLANET JR. CULTIVATOR



The latest Planet Jr. Plain Cultivator with improved expander. Light in weight, but very strong. A tool that will give universal satisfaction.

Price, as in cut, \$11.75.
Price without wheel, \$10.00.

No. 104 PLANET JR. HORSE HOE



A new light, strong combined Horse Hoe and Cultivator with lever wheel and lever expander. It has all the qualities of the older model Planet Jr. Horse Hoes, though lighter and better adapted to many kinds of work where a heavy tool is not necessary. Price, complete, \$13.75.

No. 83 PLANET JR. CULTIVATOR



Many gardeners like the 7-tooth cultivator, because it prepares the soil better than does the five-tooth machine. A tool that will give entire satisfaction. Price, complete with steel wheel, \$15.75. Without wheel, \$13.50.

PLANET JR. CULTIVATOR TEETH

Width	Price
1 1/4 inch.....	\$0.22
1 3/4 ".....	.25
2 1/4 ".....	.27
3 ".....	.31
4 ".....	.36

Bolts extra, 5c., 50c. doz.

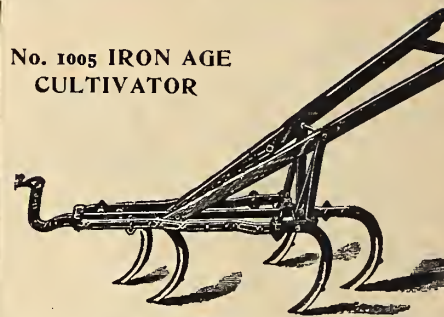
IRON AGE CULTIVATOR TEETH

0-1 1/4-in...	\$0.17	82-3	"	\$0.26
96-1 1/2 "...	.20	83-3 1/2	"	.29
1-2 "...	.22	84-4	"	.30
89-2 1/2 "...	.24	68-4	"	.30

Bolts for Teeth, 5c. each; per doz., 50c.

Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.

No. 1005 IRON AGE CULTIVATOR



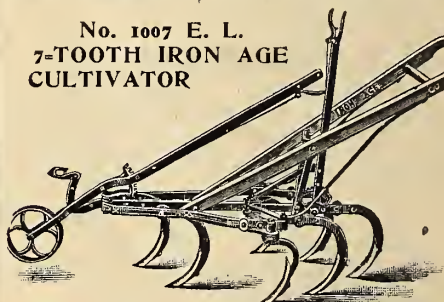
Price, as in cut, \$7.50; with plain wheel, \$8.50; with lever expander, \$9.25; with lever and wheel, 10.25.



No. 1007 E. P. IRON AGE HORSE HOE AND CULTIVATOR

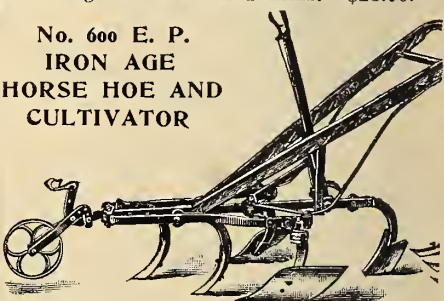
One of the best of the 7-tooth Iron Age equipments. If it is desired to use this machine with less teeth any excess may be easily detached. Price, as in cut, \$12.00.

No. 1007 E. L. 7-TOOTH IRON AGE CULTIVATOR



The lever wheel regulates the depth; the expanding lever the width of cultivation. May be used as a five-tooth machine by unbolting two teeth and arms. \$13.00.

No. 600 E. P. IRON AGE HORSE HOE AND CULTIVATOR



Equipped with side steels or covers, which can easily be detached, and the regular cultivator teeth, which accompany each implement, attached. Price, \$12.75.



PLANET JR. CELERY HILLERS

Single, for hilling one side of the row. Double, for hilling one side of 2 rows. Price, double style, \$30.50.

All Prices subject to change without notice

(hb)

MICHELL'S LAWN ACCESSORIES

129

LINK'S LAWN BOOTS

For Horses

Made of very heavy sole leather, waterproofed and finished black. The sole is reinforced with steel rivets, which make the boots last twice as long as they ordinarily would.

No. 2. 5½ inches inside.

No. 4. 6½ inches inside.

No. 6. 7 inches inside.

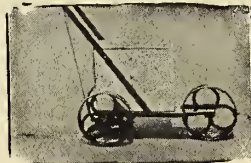
Price, per set of four, \$12.50.



Special Size Horse Boots made to order. Place the horse's feet on a blank paper, drawing a pencil around it to show size.

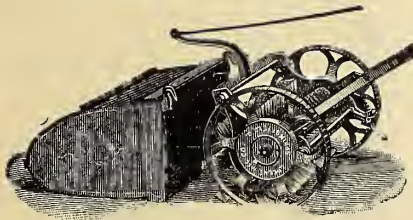
TENNIS COURT MARKER

Junior Line-o-graph. A perfect liquid lime tennis court marker especially designed for private courts, works perfectly on grass or clay. \$20.00 each, F. O. B. factory. F. O. B. Philadelphia, \$20.50.



Junior Line-o-graph
Tennis Marker

APOLLO LAWN CLEANER



Apollo Lawn Cleaner

For sweeping lawns, paths, putting greens, tennis courts, etc. The revolving brush gathers up the smallest particles, leaving the surface swept very clean. The sweeping area is 28 inches; equipped with rubber tired wheels, which makes it almost noiseless in operation. Price, \$20.00.

PENNA. LAWN AND PUTTING GREEN CLEANER

The name "comb and brush for the lawn" has often been applied to it. The flexible rake bars are of wood, with steel springs and teeth, they rotate just like a lawn mower cylinder and clean up every particle of leaves, mown grass, litter or rubbish, throwing it into a receptacle or bag in the rear, which is of large capacity. This can be detached and emptied at will.

24-in. rake, \$20.00.



Penna. Putting Greens Cleaner, 24-inch, \$20.00.

Sweeping Brushes can be readily attached to this machine for sweeping putting greens, paths, etc. \$3.00 per set of three.

RUBBISH BASKETS

On all large places, on the lawn, in flower and vegetable gardens, a basket for gathering up rubbish and litter will be found a great convenience, especially when it is suited for the purpose. This basket holds 3 bushels and can be carried or wheeled from place to place on a barrow. Price, with rope handles, \$3.00 each.



Rubbish Basket

SOD PERFORATOR

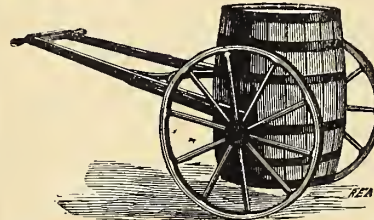
A convenient implement for use in loosening soil where grass is worn out, without actually disturbing the turf. The space to be seeded with grass can be made into a perfect seed bed with this device which will mean a quick growth of grass after the seed is sown. It is used like a tamper, its own weight being sufficient to properly perforate the ground. Price, \$3.75.



SOD TAMPERS

When laying sod it is necessary to properly firm it down, so that it will take new root quickly. It is also convenient for firming the soil or lawn on places where a roller cannot be used; made of iron with wood handle, 12 inches square; weight, 20 lbs. Price, \$1.75 each.

Sod Tamper



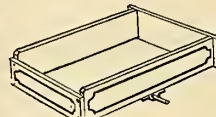
TRUCKS, ETC. BARREL

The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf rack or stone box may be attached.

1½-inch tire truck, all iron wheels, with barrel.....	\$21.50
2½-inch tire truck, all iron wheels, with barrel.....	22.50
3½-inch tire truck, all iron wheels, with barrel.....	23.50
Extra Barrels, with trunnions, open head.....	6.50

STONE BOX FOR WATER BARREL TRUCK

Stone Boxes for attaching to the above truck\$4.00



Stone Box

KEYSTONE LEAF RACKS

This device can be used on wheelbarrows with removable sides. Convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, \$7.50.



WIRE LEAF RACKS

Excellent for gathering leaves, litter, grass, etc. They can be attached to a water barrel truck, as shown opposite, instantly. The illustration shows the old style wooden rack, which has now been superseded by the wire and metal frame construction thoroughly galvanized.



Leaf Rack only, no truck.....	\$13.50
Leaf Rack with 1½-inch truck.....	23.75
Leaf Rack with 2½-inch truck.....	29.50
Leaf Rack with 3½-inch truck.....	30.50

130 THE MICHELL HIGH WHEEL BALL-BEARING LAWN MOWER

In answer to the call our trade has for years made upon us for a mower of our own name, we have had designed by the best lawn mower makers in the United States the "Michell" High Wheel Ball-Bearing. Of the best material throughout, in every detail has there been the thought to construct not only a mower that would appeal to the intending purchaser from a standpoint of looks, but to give him more for his money than we might be able to do in other makes. The "Michell Ball-Bearing High Wheel Lawn Mower" is made for us by Jno. Braun & Sons, who are the originators and makers of the "Famous Pennsylvania Quality" machines.

It has a 5-blade cylinder of tool steel blades, each hardened and tempered in oil; it is equipped with internal driving gears on both sides, making it easy to push. The cones and cups in which the balls revolve are hardened tool steel, while the balls themselves are extra large, of the best quality. The drive wheels are 10 inches high, which ensures easy running, the bottom knife is self-sharpening with raised edge, of crucible steel, that will ensure long service. It can be regulated to cut the grass at a height of from $\frac{1}{2}$ to $1\frac{1}{2}$ inches, by adjustment, while it mows grass with ease that is 6 inches high.

15-inch cut	\$16.00	17-inch cut	\$18.00
19-inch cut	\$20.00	21-inch cut	\$22.00

PENNA. JR. BALL-BEARING MOWER

To get the best results from this machine which does exceptionally fine work, the lawn should be mowed at regular intervals. It cuts the grass shorter than the 4-bladed machine, hence requires mowing at stated periods when the grass is growing rapidly.

8-inch or low wheel, 5-blade cylinder, $5\frac{1}{2}$ -inch diameter.			
12-inch	\$14.00	16-inch	\$17.00
14-inch	15.00	18-inch	18.50
10-inch or high wheel, 5-blade cylinder, 6-inch diameter.			
15-inch	\$22.50	19-inch	\$26.00
17-inch	23.50	21-inch	28.75

PENNSYLVANIA LAWN MOWER

The regulation style for every-day lawns.

Low wheel, 8-in. diameter.		High wheel, $10\frac{1}{2}$ -in. diam.	
12-inch	\$12.60	15-inch	\$21.00
14-inch	14.25	17-inch	23.50
16-inch	16.00	19-inch	26.00
18-inch	17.50	21-inch	28.75

PENNA. PUTTING GREENS MOWER

For cutting wavy or undulating greens, which are very popular on some courses. It is gear driven, with a 7-inch iron roller in the rear and a wooden roller in the front, to support the machine. The mower can be set to cut as close as $\frac{3}{16}$ inch. Equipped with a 6-blade cylinder, $5\frac{1}{2}$ inches in diameter.

12-inch cut	\$21.50	16-inch cut	\$28.75
14-inch cut	25.00	18-inch cut	31.75

PENNSYLVANIA GOLF LAWN MOWER

For putting greens and close cutting around golf courses, tennis courts, etc., equipped with high wheels like a regular lawn mower, but with an iron roller of small diameter in three sections in place of the usual wooden roller.

$9\frac{1}{2}$ -inch, high wheel, 7 blades, ball bearing.			
17-inch.....	\$30.50	19-inch.....	\$34.00
		21-inch.....	\$37.00

CONTINENTAL LAWN MOWER

On a par for quality and construction with the Pennsylvania mower, geared on two sides instead of one.

High wheel, $9\frac{1}{2}$ -in. diam.		Low wheel, $7\frac{1}{4}$ -in. diam.	
15-inch	\$21.00	12-inch	\$12.60
17-inch	23.50	14-inch	14.25
19-inch	26.00	16-inch	16.00
21-inch	28.75	18-inch	17.50

GREAT AMERICAN MOWER

A double-gear mower which gives fine results.

$10\frac{1}{2}$ -inch high wheel, 5-blade cylinder, ball-bearing.			
15-in....	\$15.00	17-in....	\$17.00
		19-in....	\$19.00
		21-in....	\$21.00

NEW DEPARTURE LAWN MOWER (Shock Absorber)

$9\frac{1}{2}$ -in. wheel, 4-blade cylinder.		17-inch	
15-inch	\$13.00	19-inch	15.00

DELTA MOWER

High wheel, ball-bearing.

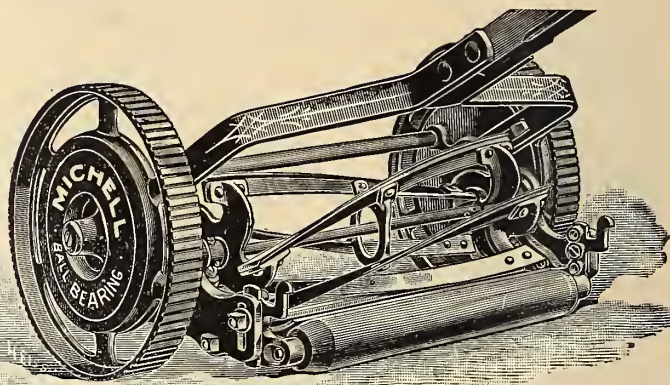
12-inch	\$7.75	14-inch	\$8.25
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PHILADELPHIA LAWN MOWERS

GRAHAM HIGH WHEEL

Diameter of cylinder $6\frac{1}{2}$ in. with four Vanadium Crucible Steel blades. Train of three heavy gears on both sides. Driving wheels 10 in.; no front rod.

15-inch	\$22.00	19-inch	\$27.50
17-inch	23.75	21-inch	30.50



STYLE A PHILADELPHIA LAWN MOWER

Diameter of cylinder $6\frac{1}{2}$ in. with four Vanadium Crucible Steel blades. Train of three heavy gears on one side, operating double rachet. Driving wheels 10 inches.

15-inch	\$20.00	19-inch	\$25.00
17-inch	22.00	21-inch	26.50

PHILADELPHIA STYLE K

$6\frac{1}{2}$ in. draw cylinder, 5 blades, high wheels, made with plain or Roller bearings. We recommend plain bearings in this make. They last longer, give less trouble.

14-inch	\$14.75	18-inch	\$17.75
16-inch	16.25	20-inch	19.25

We can also supply Philadelphia Horse Mowers and Philadelphia Lawn Sweepers.

COLDWELL BALL-BEARING LAWN MOWER

The Coldwell line of mowers need no introduction for quality, service and reputation. Easy running ball-bearing, four-blade cylinder, made to last and do fine work.

14-inch	\$12.75	18-inch	\$15.00
16-inch	13.75	20-inch	16.00

TOWNSEND'S GOLF WONDER MOWER

For putting Greens. 16-inch, \$24.00; 18-inch, \$26.50; 20-inch, \$28.50.

Grass Catchers for Townsend Golf Wonder Mowers for all sizes, \$5.25.

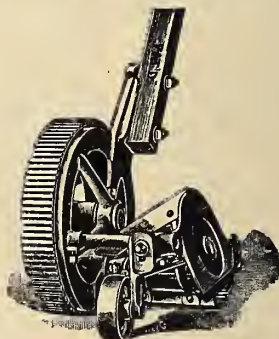
LAWN TRIMMERS

Pennsylvania Style. This machine will trim against fences and closer to walls or tombstones than any other machine now made. Ball-bearing, undercut style, \$11.50; ball-bearing, straight cut style, \$9.50.

Coldwell Trimmer. The revolving cutter is 6 in. wide, and cuts within $\frac{1}{4}$ in. of side obstruction. Price, \$7.50.

Capitol Lawn Trimmer and Edger. It can be converted into either a trimmer or an edger in a few seconds by simply turning the machine over and making a slight adjustment of a brace rod. Price, \$8.00.

Coldwell Gem Mower. Cuts an 8-inch swath. Suitable for a child or lady to use, very steep terraces. Price, \$7.50.



Penna. Undercut Lawn Trimmer

LAWN MOWER SHARPENING

This work is done for us by a competent mechanic, and we can insure entire satisfaction.

Horse Mowers, 25-in., \$6.50; 30-in., \$7.50; 35 and 38-in., \$9.00; 40-in., \$10.00.

Hand Mowers, 10 to 17-in., \$1.50; 18 to 21-in., \$1.75.

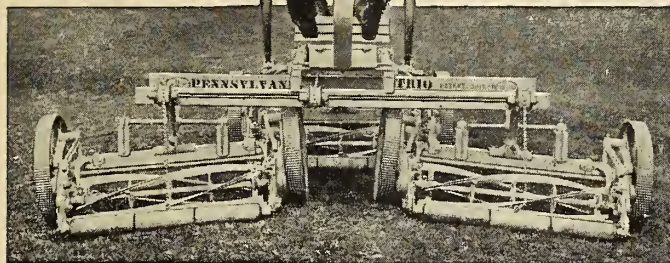
Golf Mowers (6 blades). 14 to 18-in., \$2.50; 19 to 22-in., \$3.00.

New parts required on repaired mowers supplied at factory prices. Above figures are for sharpening the cylinder and bottom blades only, and do not include needed new parts.

PENNSYLVANIA TRIO LAWN MOWER

Cuts a swath of 86 inches. It is a combination of 3 light draught 30-inch mowers harnessed together. So constructed that it does not raise off the ground when the horse starts. The gears are housed in a dust-proof case which is packed with

grease, causing them to run noiselessly and free. The bottom knife casting or back is fixed and not adjustable, thus insuring rigidity and freedom from the necessity of making adjustments. The cylinder is 7 inches in diameter, equipped with 4 extra wide crucible tool steel



knives hardened and tempered in oil. The wheels are 18 inches in diameter, with a 2½-inch head, giving ample traction surface, and are fitted with annular ball bearings, making it an easy machine on the horses. Price, \$350.00.

TOWNSEND TRIPLEX HORSE LAWN MOWER

This is a combination of three mowers harnessed together, yet one horse is capable of operating the same. They are being used with splendid satisfaction on golf grounds, parks and estates. Cutting width 86 inches; 5-blade cylinder. Price, \$300.00, f. o. b. Orange, N. J.

PENNSYLVANIA HORSE AND PONY MOWER

Pennsylvania Regular Style

25-in. Pony, with wooden rear roller, 4-blade cylinder..\$48.50
25-in. Pony, with wooden rear roller, 6-blade cylinder.. 57.50
30-in., with draft irons only 90.00
30-in., with seat and shafts and side draft attachment....105.00
38-in., with draft irons only110.00
38-in., with seat and shaft and side draft attachment....125.00

Pennsylvania Grand Horse Mower

30-inch cut, with draft iron, no seat or shafts\$100.00
38-inch cut, with draft iron, no seat or shafts 130.00
30-inch cut, with seat and shafts 120.00
38-inch cut, with seat and shafts 150.00

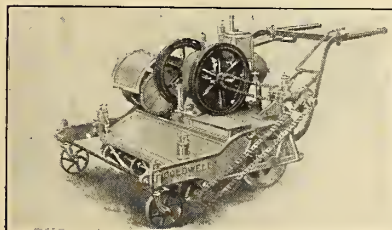
The above prices are for 4-blade mowers; if 6-blade mowers are desired, add \$12.50 to the price of each machine, except as noted.

COLDWELL HORSE AND PONY MOWERS

25-in. (Pony Style)....\$57.50 35-in., seat and shafts..\$118.00
30-in., with draft irons. 88.00 40-in., with draft irons ..136.00
30-in., seat and shafts.. 98.00 40-in., seat and shafts.. 146.00
35-in., with draft irons..108.00

Note.—These can be supplied with 4 or 6-blade cylinders at an additional charge of \$12.50 for each machine.

COLDWELL MOTOR MOWERS



Type of Models G and H

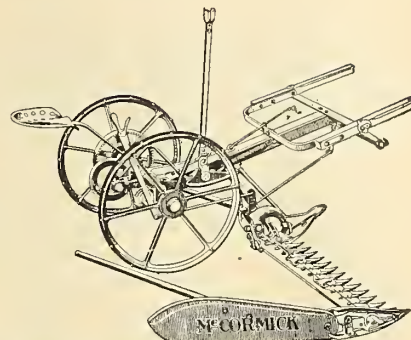
Model J. 40-inch cutting area\$1,300.00
Model G. 35-inch cutting area 400.00
Model H. 30-inch cutting area 350.00

These mowers are sold for net cash f. o. b. Newburgh, N. Y. Any of the Coldwell Motor Mowers can be used as lawn rollers independent of the mowing feature.

McCORMICK MOWING MACHINES

Gear Drive

These are now largely used for cutting on golf courses and large lawns, thus doing the preliminary work for the regular horse lawn mower. They are also equally well adapted for hay cutting.



3½ and 4 ft. cut, vertical bar, 1-horse machine... } Price on application
4½ and 5 ft. cut (New 4), 2-horse machine..... }
4½ and 5 ft. cut, vertical bar, 2-horse machine... }

GRASS CATCHERS

K. C. Catcher. There always have been makes of mowers on the market that could not be properly fitted with a grass catcher. The K. C. is designed to fit any size or style mower and can be attached or detached in a moment. Made of galvanized iron bottom and canvas sides. Price, 12- to 16-in. size, \$2.00 each; 16-to 22-in. size, \$2.25.



Braun Catchers. For the Pennsylvania, Continental, Great American B. B. and New Departure Mowers.

12-in. ....\$2.50	17-in. ....\$3.00
14-in. 2.75	18-in. 3.00
15-in. 3.00	19-in. 3.25
16-in. 3.00	21-in. 3.50

PENNA. PUTTING GREEN MOWER CATCHERS

12-in. ....\$4.00	16-in. ....\$4.50
14-in. 4.25	18-in. 4.75

PENNA. GOLF MOWER CATCHERS

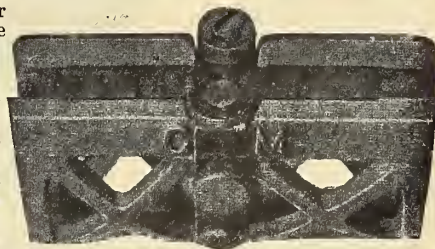
14-in. ....\$4.25	18-in. ....\$4.75
16-in. 4.50	19-in. 5.00
17-in. 4.75	21-in. 5.25

Forward Delivery Grass Box, for 30-inch mower\$20.00
Forward Delivery Grass Box, for 38-inch mower 30.00
Grass Box for Pennsylvania Pony Mower 4.25
Townsend Golf Wonder Catchers, any size. Each..... 5.25

G. M. LAWN MOWER SHARPENER

Can be adjusted for any thickness of blade and when properly set will give a uniform bevel, the sharpener following the twist of the knife. It will also sharpen the under blade or dead knife. The same are sharpened by working the device back and forth until a good edge has been obtained.

Price, 70c. each, postpaid.



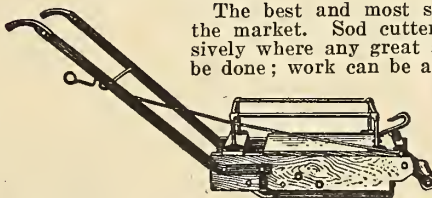
Extra files, 15c. each.

THE CHAMPION SOD CUTTER

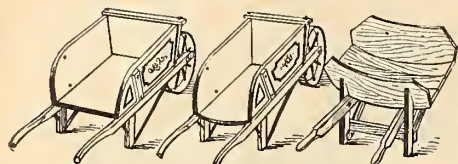
The best and most satisfactory machine on the market. Sod cutters are now used extensively where any great amount of cutting is to be done; work can be accomplished better with this machine; you can cut as much in one hour as two men all day.

Price, \$27.50.

Extra Knives for Sod Cutters, \$5.00 each.



Michell's Lawn and Garden Accessories



Eastern Greenhouse Canal

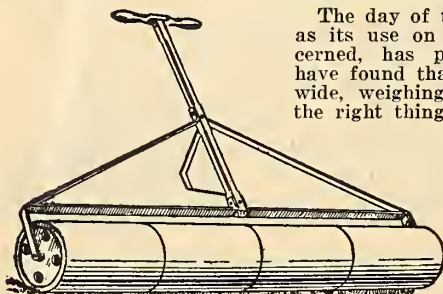
WHEEL-BARROWS

The measurements of barrows are understood viz.: Length, meaning inside length of body; depth, inside depth at front; width, outside width at handles.

The "Eastern" Style garden barrow as shown in illustration is substantially built, carefully braced and bolted, just the kind of a barrow you would expect to give long, faithful service.

	No.	Tire In.	Length In.	Depth In.	Width In.	Price
Eastern	3	1½	28	11	22	\$6.00
Eastern	4	3	26¼	11½	27	7.00
Eastern	5	3	28¼	11¾	27	7.50
Eastern (Boys')	2	2	21¾	9¼	20	5.50
Canal. Side dump (bolted)						4.50
Special Greenhouse Style with narrow body and handle width.						10.00

PUTTING GREENS ROLLER

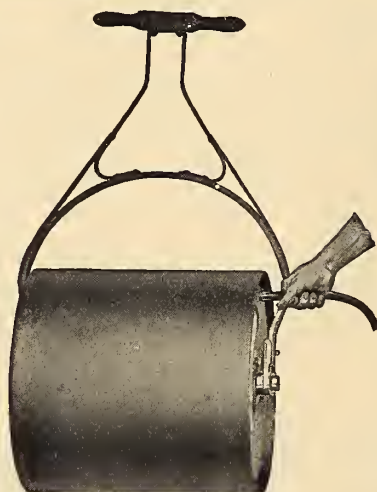


The day of the heavy roller, so far as its use on putting greens is concerned, has passed. Greens-keepers have found that a roller about 4 feet wide, weighing about 150 pounds, is the right thing.

It is evenly surfaced and will not leave a mark or ridge on the greens. Made of wood in sections. \$21.00.

MICHELL'S WATER-BALLAST ROLLERS

Fill it with water, which will weight it up to any number of pounds desired, as shown below; can be had in one or two sections, according to style selected. Equipped with feature for balancing handles, which always keeps the handle in position ready for use; ball axle bearings. The two section roller is desirable on account of its not disturbing the turf or ground when being turned, while all edges are beveled.



Water Ballast Roller

No.	Sections	Diam.	Width	Weight Empty	Weight filled with Water	Price
603	1	24	24	180	525	\$18.50
604	1	24	32	200	665	20.50
605	2	18	24	175	395	19.50
606	2	24	32	230	650	25.50

We can also supply other sizes of Water-Ballast Rollers.

BOSS HAND ROLLERS (IRON)

No.	In. Diam.	Wide In.	Sections	Lbs. Weight	Price	No.	In. Diam.	In. Wide	Sections	Lbs. Weight	Price
1	15	15	2	150	\$14.15	7	20	24	2	300	\$27.50
2	15	22	3	200	18.60	8	20	30	3	350	31.90
3	20	16	2	225	20.80	9	24	20	2	400	36.45
4	20	20	2	250	23.05	10	24	24	2	450	40.90
5	20	20	1	250	23.05	12	24	30	3	500	45.35
6	20	24	3	300	27.50	14	28	24	3	500	45.35

BOSS HORSE ROLLERS

No.	Diam. In.	Lgth. In.	Sections	Lbs. Weight	Price	No.	Diam. In.	Lgth. In.	Sections	Lbs. Weight	Price
40	24	30	3	650	\$79.75	43	28	30	3	800	\$96.25
41	24	40	4	800	93.50	44	28	40	4	1000	115.50
42	24	50	5	950	107.25	45	28	50	5	1200	134.75

BOSS HORSE ROLLERS

For Land or Field Use.

No.	Diam. In.	Lgth. Ft.	Sections	Lbs. Weight	Price	No.	Diam. In.	Lgth. Ft.	Sections	Lbs. Weight	Price
63	24	5	5	1450	\$115.00	67	28	6	6	1950	\$155.00
65	28	4	4	1350	110.00	68	32	4	4	2200	175.00
66	28	5	5	1650	127.50	69	32	5	5	2600	200.00

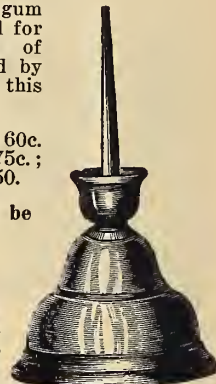
The Prices of Horse Rollers f. o. b. Norfolk, Va.

LAWN MOWER OIL

Pure oil that will not gum or get sticky is an essential for the satisfactory running of every mower. The oil sold by us has been selected with this point in view.

Prices: Per pint, 40c.; 60c. per quart; per ½ gal., 75c.; \$1.25 per gal.; 5 gals., \$3.50.

Lawn Mower Oil cannot be mailed.

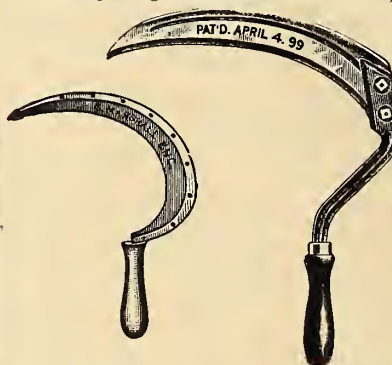


OIL CANS

No.	P. P. Wt 8 ozs
3-539, Zinc	\$0.25
1113, Bronzed steel	.35
3-539, Brass	.50
016, Bronzed steel	.50

EMERY

For sharpening Lawn Mowers. Price, 25c. per lb.: 10 lbs., \$2.35.



English

Little Giant

SICKLES OR GRASS HOOKS

English Rivet Back, No. 3.	\$0.85
English Rivet Back, No. 2.	.75
English Rivet Back, No. 1.	.75
English Solid Back, No. 2.	.75
Little Giant	.75

Grass Hooks are not mailable.

FLAT FILES

For sharpening lawn mowers.	
8 inch	8 ozs. \$0.25
10 inch	12 ozs. .30
12 inch	1 lb. .50

SCYTHES

Little Giant, 32-inch	....\$1.75
Little Giant, 34-inch	.... 1.85
Little Giant, 36-inch	.... 2.00
Little Giant Brush or Briar	1.75

The Little Giant is the best American-made scythe for field and heavy grass work.

English, 32-in., rivet back.	\$1.75
English, 34-in., rivet back.	1.85
English, 36-in., rivet back.	2.00
English, 38-in., rivet back.	2.25

The English Scythes are best for fine grass or lawn work.

SCYTHE STONES

	Each	Doz
Talacre, Style (American)	.....\$0.25	\$2.50
Darby Creek	..... .15	1.50
Carborundum. Very fine	..... .35	3.50



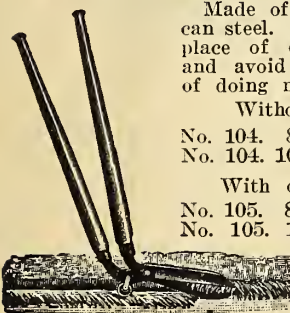
SCYTHE HANDLES, ETC.

No. 50. Made of hard wood, well finished.	
Regular Scythe style	.....\$1.50
Snath Clips	..... .25

All prices subject to market changes without notice

(hb)

LAWN BORDER SHEARS



Made of finest American steel. They take the place of edging knives, and avoid the necessity of doing much stooping.

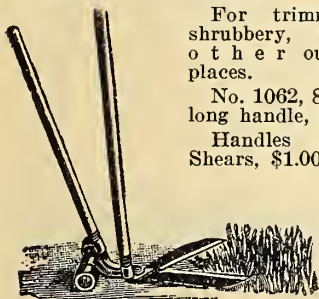
Without wheel.

No. 104. 8½ in. ..\$3.00
No. 104. 10 " .. 3.50

With one wheel.

No. 105. 8½ in. ..\$4.00
No. 105. 10 " .. 4.50

LAWN BORDER SHEARS



For trimming under shrubbery, fences and other out-of-the-way places.

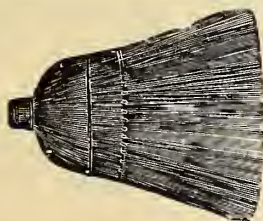
No. 1062, 8½ in. blade, long handle, \$4.00.

Handles for Border Shears, \$1.00 per pair.



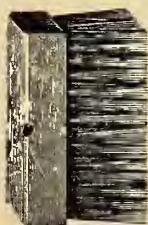
GRASS SHEARS

		P. P. Wt.	Each
012.—6	inch, American	..2 lbs.	\$1.00
012.—7	inch, American	..2 lbs.	1.25
3075.—6	inch, English	..2 lbs.	1.25
3075.—7	inch, English	..2 lbs.	1.50
0267.—6	inch, American	..2 lbs.	.75
050.—5½	inch	..2 lbs.	.60
263.—5½	inch Trowel Shank	2 lbs.	.35



BROOMS

No.	Material	Each	Per Doz
No. 230.	Japanese Fibre (see cut)	.....	\$0.80
No. 8.	Corn and Rattan mixed	.....	1.50
Golf Greens (Birch)	.....	.....	.35
No. 7.	Plain Corn, extra quality	.....	1.25



Rattan Broom

ROAD BRUSHES

(With Handles)

No. 271.	Rattan Push, 14 in. (See cut)	.....	\$1.25
No. 0286.	Bass or Cocoa Push, 14 in.	.....	1.25

BAMBOO POLES

Japanese, 16 ft. long, useful for breaking up worm casts on putting greens, etc. Price, 35c. each; dozen, \$3.75; \$27.50 per 100.



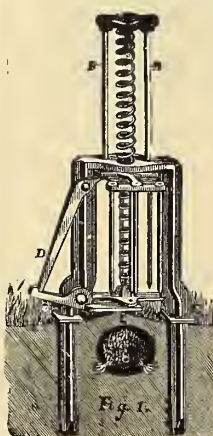
TURF OR SOD LIFTERS

American—A convenient device for lifting sod; steel blade, with an 18-inch steel shank and wood D handle. Price, \$1.50 each.

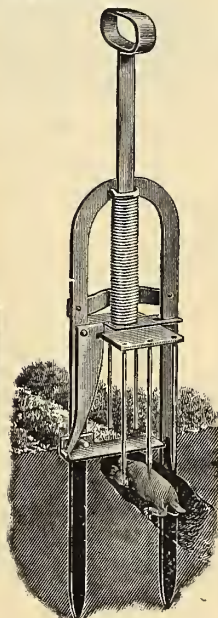


English No. 275. For lifting sod and turf. Best steel; will last a lifetime. \$5.00 each.

MOLE TRAPS



Olmsted

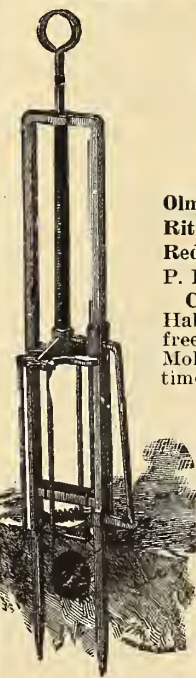


Rittenhouse

Olmsted	.....	\$1.75
Rittenhouse	.....	1.00
Reddick	.....	1.25

P. P. Wt. of the above, 3 lbs.

Complete Booklet on the Habits of the Mole mailed free, or included with each Mole Trap if asked for at time of ordering.



Reddick

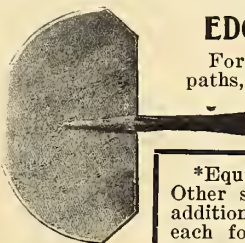
HOW TO CATCH MOLES

Always press down the mound when setting the trap so that the lever which sets off the trap is level with the ground. Set the trap in the evening, as moles usually stir about very early in the morning.



LAWN SHOVEL AND EDGER

The most perfect tool for cleaning out and edging up the sides of cement walks. This is the only tool of its kind found so far to be practical. It is made of the best steel, is very sharp and can be resharpened readily when dull. Price, \$1.25 each.

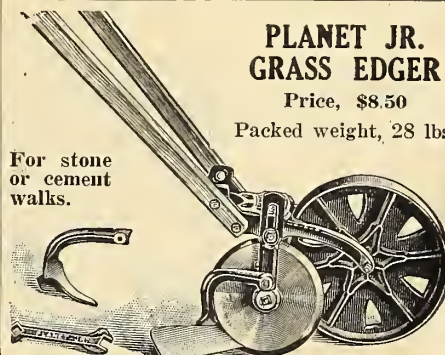


EDGING KNIVES

For trimming edges of paths, etc.

*Equipped with handle. Other styles are sold at additional price of 15c. each for handles.

Mehler Edging Tool	.....	\$1.25
*No. 040. American	.....	1.00
English, 8 inch	.....	2.00
English, 9 inch	.....	2.25



PLANET JR. GRASS EDGER

Price, \$8.50

Packed weight, 28 lbs.

For stone or cement walks.

With the Planet Jr. Edger you can cut the turf symmetrically with charming effect, at the speed of a walk. In edging cement or flagstone walks, the Planet Jr. Edger cuts out a small "V" shaped piece of the turf, leaving a uniform finish to the walk, the last word in neatness and beauty. By a simple change the tool may be used either for cement, brick, stone or gravel walks and drives, or for flower beds. It can be set to allow the wheel to run either on the walk or on the grass. Used after rains.

IDEAL DANDELION EXTRACTOR

This simple device is the best thing of its kind ever used for taking weeds out of the lawn. It will be seen that it is not necessary to get down on hands and knees to operate it. The cutting blade is of the best steel, equipped with a convenient handle, so that either man, woman or child can use it. 40c. each.



WEED PULLERS

For use on lawns, etc.
No. 1. Cleveland Style. This device enables the operator to stand almost erect, which does away with the tiresome method of pulling weeds. It extracts them completely, root and top. Price, \$1.10.

No. 4. Heavy Dock Lifter. For use in field and on the farm. Capable of extracting the most deep-rooted weeds. Price, \$3.25.



No. 1



No. 4

RUBBISH CONSUMERS

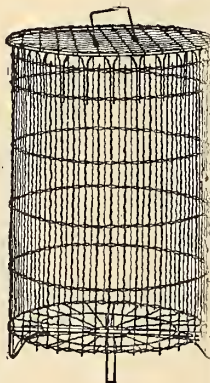
Made of galvanized wire, an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property.

Light Wire

Diam. High Price
A, 12 in. x 18 in. \$3.00
B, 15 in. x 22 in. 3.75
C, 18 in. x 26 in. 4.00
D, 21 in. x 31 in. 4.75

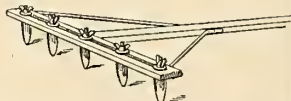
Extra Heavy Construction

E, 20 in. x 30 in. \$15.00
F, 24 in. x 36 in. 20.00



MARKING RAKES

These are for marking out garden rows; adjustable brass teeth, which are set for any width row desired up to 4½ ft. Price, \$7.00. Extra teeth, 60c. each.



OLE OLSEN LAWN RAKES

This rake head is slightly curved from the centre to each end, which does not allow any material that has been caught by the teeth to slip around the edges.

26-tooth, hickory wood. Price, 75c.



DAISY RAKE No. 9

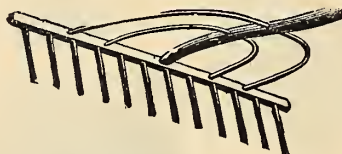
For removing dandelion and other obnoxious growth from lawns. English steel. 16-tooth..... | 20-tooth.....
Price of Daisy Rakes on application.



WIRE LAWN OR GRASS RAKE

Made of heavy tinned steel wire. These are excellent for lawn or walk work. The rake is reversible.

No. 2046—46 teeth, for putting greens, \$1.00.
No. Tooth No. Tooth
124 R 24..\$0.60 | 36 LR 36..\$1.00



WOODEN RAKES

Ames, No. 37X. 24-tooth, steel bows, for lawns\$1.25
Ames, No. 30X. (See cut above). 14-tooth, hard wood bow rake, for hay and field use 1.00
Wire Braced. 20-tooth, Lawn..... .50



STEEL GRAVEL RAKES

These rakes are used for road-making and for paths. Having very short teeth they do not gather up stones or gravel.

No. Tooth No. Tooth
G 12 12...\$0.85 | G 16 16...\$1.10
G 14 14... 1.00 | G 18 18... 1.20
G 20 20-tooth 1.30



STEEL BOW RAKES

Preferred by many to the regular garden rake. The teeth are slightly bent toward the operator.

No. Tooth No. Tooth
B 11 11...\$0.90 | B 13 13...\$0.95
B 15 15-tooth\$1.00



STEEL GARDEN RAKES

Made of best cast steel, with long teeth.
No. Tooth No. Tooth
6 6....\$0.70 | 12 12....\$0.80
8 8.... .75 | 14 14.... .85
10 10.... .75 | 16 16.... .90

HOE AND RAKE (COMBINED)

An excellent tool for ladies, combining simplicity and utility. Made of the very best steel, which will outlast several cheaper tools of the same class.

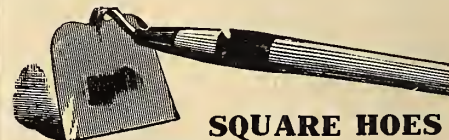
No. 4P. 4-prong\$0.80
No. 6P. 6-prong90



HALF MOON HOES

Best steel, solid sockets, which will not pull out.

No. HM3. 3-inch.....\$0.75
No. HM4. 4-inch..... .80
No. HM5. 5-inch..... .85
No. HM6. 6-inch..... .90
No. HM7. 7-inch..... .95
No. HM8. 8-inch..... 1.00



SQUARE HOES

No. G06. 6-inch, solid shank.....\$0.85
No. G07. 7-inch, solid shank..... .90
No. G08. 8-inch, solid shank..... .95
No. 010. 10-inch, for celery..... 1.35
No. K14½. 14-inch, for celery..... 1.85

TWO-PRONG ONION HOE

Will be found very valuable in weeding in narrow rows.
No. 2P. Price\$0.75



WARREN HOES

Excellent tools for making drill preparatory to sowing of seed. The backs can be used for covering.
No. W7.....\$1.00 | No. W8.....\$1.10



All Prices subject to change without notice

(hb)



BATEMAN FIELD HOE

For digging up stubble, small stumps, etc.

No. 1. 5½-inch blade, each.....	\$1.90
No. 2. 6½-inch blade, each.....	2.10
No. 3. 8 -inch blade, each.....	2.25



TOMATO TRANSPLANTING HOE

No. 41. Avoids kneeling when planting. Made of best steel. Price, \$1.10.



SCUFFLE HOES

Made of best English steel.

4-inch	\$0.75	7-inch	\$0.90
5-inch .....	.80	8-inch .....	.95
6-inch .....	.85	10-inch	1.25

Handles for Scuffle Hoes, 15c. each extra.



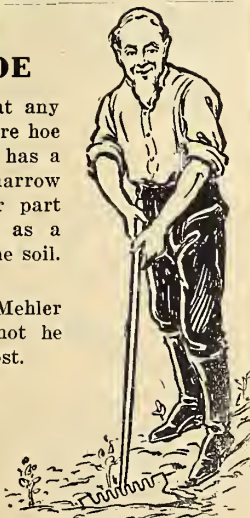
MEHLER GARDENER

An entirely distinct tool. Avoids hending the hack. Works closer to the plant than any other device. No hoe is needed where this is used. Just the thing for working among flowers and vegetable plants. \$1.25 each. Not mailable.

MEHLER HANDY HOE

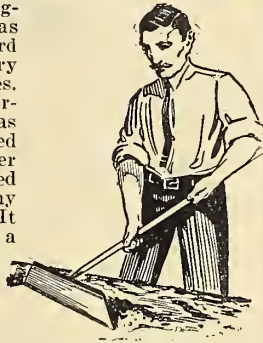
This will do what any half-moon and square hoe will accomplish. It has a wide side and a narrow side, while another part of it will answer as a rake to pulverize the soil. Price, \$1.25.

Please note. — Mehler Garden Tools cannot be sent by Parcel Post.



MEHLER HANDY SCRAPER

This was originally designed as a dropping-board scraper in poultry and pigeon houses. It gets in the corners easily and has a sharp crimped edge on the upper side, which is used to loosen up any hard substance. It is also suited for a variety of other work around the farm or garden. Price, \$1.25.



MEHLER EDGER

Designed so as to make it suitable for edging gravel, dirt or cement walks. It is the only edger made that has a perfect arrangement on it for foot pressure, which makes easy edging possible. A device on the rear end of the hoe makes it suitable for running along the edge of the path, after the turf has been cut. Price, \$1.25.



STEEL SPADES

Ames	\$2.25
Maynard	2.25
Imperial	1.80
Long Handle	1.50
Nursery	3.50
Boys'	1.35



GARDEN SETS

For ladies and children, in fact they are suitable for the country gentleman, consisting of 1 hoe, 1 rake and 1 spade, No. 3PF. Large size, per set, \$1.50.



SHOVELS

We handle only the very best makes of steel shovels. Every one is guaranteed to give entire satisfaction.

SHORT HANDLE

Ames, round point	\$2.25
Ames, square point	2.25
Maynard, solid socket, square point..	2.25
Maynard, solid socket, round point...	2.25
Imperial, round point	1.80
Imperial, square point	1.80



SHOVELS

LONG HANDLE

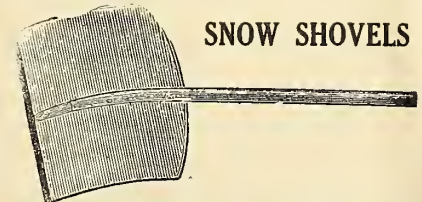
Ames, round point	\$2.25
Imperial, round point	1.80
Imperial, square point	1.80
Maynard	2.25



STEEL SCOOP SHOVELS

All equipped with strapped shanks, wood D or short hands.

No. 2, 10 -inch mouth.....	\$1.15
No. 3, 11 -inch mouth.....	1.60
No. 4, 11½-inch mouth.....	1.70
No. 5, 12 -inch mouth.....	1.80
No. 6, 13 -inch mouth.....	1.90



SNOW SHOVELS

Adams, wood (see cut), wood D handles	\$1.00
Phillips, wood, long handle	1.00
Galvanized, style like Adams	1.75



REDDICKS

POTATO SCOOP

Made of heavy steel wire



IMPLEMENT HANDLES

	Each
Ax	\$0.75
Spade, plain	1.00
Fork, Spading, plain	1.00
Fork, Manure, plain short.....	1.00
Fork, Manure, plain long .....	.50
Fork, Hay, plain .....	.35
Fork, Boys' plain .....	.40
Shovel, short, plain	1.00
Shovel, long, plain .....	.50
Spade, short, plain	1.00
Hoe, plain .....	.15
Rake, plain .....	.15
Pick or Mattock, plain .....	.80
12-foot Poles	1.25
14-foot Poles	1.50
16-foot Poles	1.75



MANURE DRAGS

For manure, potatoes, etc. Flat tines. No. 4BHF. 4 tine.. \$1.25
No. 6BOH. 6 tine.. 1.40



SPADING FORKS

Strapped shanks, short or D-wood handle.
Made of best quality steel.
No. OHW. Men's, 4-tine.....\$1.75
No. O5HW. Men's, 5-tine..... 1.90
No. B4D. Boys' or Ladies', 4-tine..... 1.00
No. EB4. English, heavy tine..... 1.90



MANURE FORKS (Strapped Shanks)

04W—4-tine, light, short handle.....\$1.40
163 —4-tine, heavy, short handle.... 1.80
05W—5-tine, medium, short handle.. 1.80
06W—6-tine, medium, short handle.. 1.80
044½—4-tine, long handle..... 1.40
054½—5-tine, long handle..... 1.65



STEEL HAY FORKS

No. 026—2-tine, 6-foot handle.....\$1.25
No. 036—3-tine, 6-foot handle..... 1.50

ENGLISH DIGGING FORK, No. EB4

Though made in America, it is made exactly after the pattern of garden forks such as are made and used in England. The prongs are solid steel, with square instead of rounded edges, which adapts it especially for digging in heavy soil, in which it works with ease. Every gardener should add one of these to his collection of tools, as we know it will give him splendid satisfaction. \$1.90 each.



HAZELTINE'S HAND WEEDER

40 Cents. Parcel Post Weight, 1 lb.



ENGLISH STEEL WEEDER, No. 1792

65 Cents. Parcel Post Weight, 3 lbs.



WAKEFIELD WEEDER

50c. each. Parcel Post Weight, 1 lb.



EUREKA WEEDING FORK, No. G

35 Cents. Parcel Post Weight, 2 lbs.

ENGLISH WEEDING FORK, No. 1

Very similar to the Eureka, except that it is heavier and of better quality. If you want a weeding fork that will last a lifetime, buy this one. Price, \$1.

Parcel Post Weight, 2 lbs.



EXCELSIOR WEEDING FORK, No. 300

15 Cents. Parcel Post Weight, 1 lb.



EUREKA WEEDER No. E

35 Cents. Parcel Post Weight, 2 lbs.



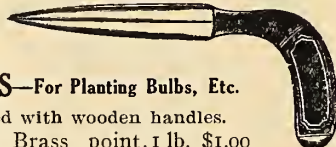
EXCELSIOR WEEDER

15 Cents. Parcel Post Weight, 1 lb.



MAGIC WEEDER

Short Handle, Small, 15c.
Short Handle, Medium, 30c.
Long Handle, Large, \$1.00.



DIBBLES—For Planting Bulbs, Etc.

Equipped with wooden handles.

No. 2180. Brass point. 1 lb. \$1.00
No. 218. Iron point... 1 lb. .60

Micell's Practical Garden Pointers

Contains everything pertaining to the planting and cultivation of the Vegetable and Flower Garden. Full directions as to How and What to plant. How to take care of your growing crops. How to eradicate Insect Pests. How to increase products and How to keep them after harvesting. Cultural directions are given for almost every Vegetable, Plant or Bulb listed in our catalog. This pamphlet is sent absolutely free with an order for seeds or plants.

HENRY F. MICHELL COMPANY.



JOHNSON STEEL TROWELS, No. 211

These are made of one piece steel blade and shank, equal to the imported trowels.

P. P. Wt.		P. P. Wt.	
5 in.....1 lb.	\$0.65	7 in.....1 lb.	\$0.85
6 in.....1 lb.	.75	8 in.....1 lb.	.90



D. S. T. STEEL SHANK TROWEL

These are somewhat long in blade and handle, making a very practical tool. 6-in. blade. Will last a lifetime. 85c. each.

Parcel Post Weight, 1½ lbs.



CLEVES' ANGLE TROWEL, No. 217

For getting dandelion, plantain and other weeds out of the lawn and transplanting.

No.	P. P. Wt.	Each
5 inch	1 lb.	\$0.20
6 inch	1 lb.	.25
7 inch	1 lb.	.30



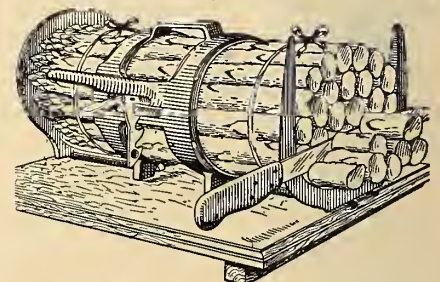
LONG-HANDLED ENGLISH TROWEL, No. 1795

Just the thing that prevents kinks in the back. 75c. each.

Parcel Post Weight, 2 lbs.

MISCELLANEOUS TROWELS

	Weight	
No. 213—5 in.....	½ lb.	\$0.15
No. 213—6 in.....	½ lb.	.20
No. 5—6 in., heavy steel..	1 lb.	.25



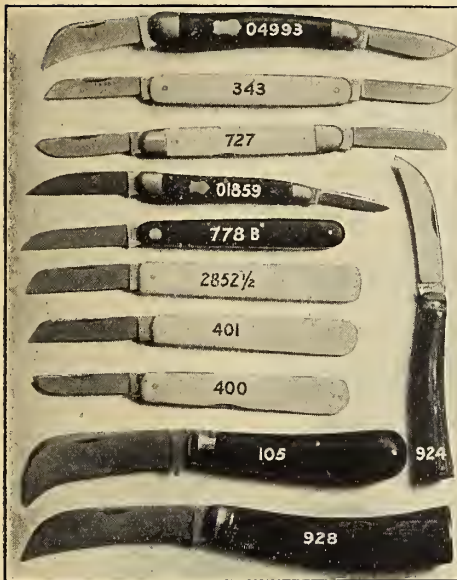
ASPARAGUS BUNCHERS

Even where one has a limited amount of asparagus to market, it pays to use a buncher. It is tied quickly and looks uniform. Price, with knife guard, \$3.25.



ASPARAGUS KNIVES

No. 45. Bateman's (see cut).....	\$0.50
Fig. 399, No. 3 American. V-shaped blade, short handle.....	.60
Fig. 399, No. 3 American. V-shaped blade, long handle.....	.75



HORTICULTURAL KNIVES

A good knife is an essential to every gardener and florist. Our stock consists of such styles that are practical and in demand. They are all of the best steel. Every one is guaranteed to be perfect and give good satisfaction.

No.	Blades	Style Handle	Each
343	2	Saynor, brass lined, ivory...	\$3.50
727W	2	Brass lined, white	1.40
04993	2	Steel lined, elbow	1.50
400	1	Saynor, not lined, ivory...	3.25
401	1	Saynor, not lined, ivory...	3.25
285 1/2	1	Not lined, bone	1.25
928	1	English, steel lined, stag..	1.90
924	1	English, steel lined, stag..	1.60
778B	1	Brass lined, ebony	1.25
105	1	Heavy, steel lined, cocoa..	1.00
303	2	Saynor Pruning, stag.....	2.25
01859	2	Budding and Pruning	1.00
187	2	Saynor Pruning, 1 blade....	3.00
204B	2	Saynor Budding, 1 blade....	4.25



BRUSH OR BRIAR HOOK

No. 43. Steel cutting blade, long handle. Price\$1.00



STEEL HEDGE KNIVES

For cutting heavy brush, shrubbery, hedge, etc. Made of the finest steel with a slight hook on blade. Each, \$1.75.



ENGLISH BILL HOOKS

For trimming heavy shrubbery, trees, etc. P. P. Weight, 4 lbs.

Short handle } Price on
Long handle } application



GRAFTING WAX

1/4 lb., 15c.; 25c. 1/2 lb.; 1 lb., 35c.; \$1.25 per 5 lbs.



GRAFTING TOOL

Best English steel for grafting trees, etc.

With wood handle. P. P. Wt., 1 lb...\$0.85
All steel P. P. Wt., 1 lb..... .65



TREE SCRAPERS

For removing loose bark from trees prior to spraying. Steel blade may be detached and sharpened. No. 5, short handled, 75c. Parcel Post Weight, 1 lb.

TREE OR BARK BRUSHES

For brushing down trees, for removing insects, borers, etc. Made of steel. Price, 8 1/2-inch, 40c.

WHITEWASH BRUSH

No. 8. Very best quality made. 7 in., each, \$1.35. P. P. Wt., 2 lbs.



STEEL HAMMERS

Price, \$1.50 each.



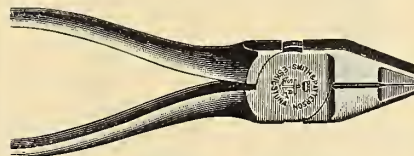
AXES

Kelly. Perfect, medium\$2.50
Kelly. Perfect, boys' 2.00



HATCHETS

F. R. Plumb, heavy..\$1.50



STEEL PLIERS

No. P. P. Wt.
133. Side cutting, 6 in1 lb. \$1.75
133. Side cutting, 7 in1 lb. 2.00
195. Side cutting, button 8 in..1 lb. 1.00



COE MONKEY WRENCHES

For machinery. Made of first quality hard steel. 8-inch, \$1.25; 10-inch steel, \$1.50.



CHAMPION SCREW DRIVERS

No. 23. 4-in. blade. P. P. Wt., 1 lb..\$0.35
No. 23. 6-in. blade. P. P. Wt., 1 lb.. .45
No. 23. 8-in. blade. P. P. Wt., 1 lb.. .55



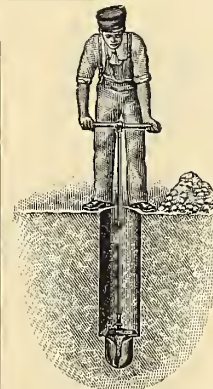
PICKS (Price includes Handle)

All steel. Double point, \$1.75; axe point, \$1.75.



MATTOCKS (Price includes Handle)

Axe, pointed (see cut)\$1.75
Pick, pointed 1.75
Half Mattocks or Grub Hoes 1.50



No. 8 POSTHOLE DIGGER

(See Cut)

This bores a hole 3 1/2 ft. deep and can be adjusted in diameter from 8 to 14 inches. \$4.00.

No. 15 Eureka Post-hole Diggers, \$2.00.

Post Hole Spades. All steel with either point or tamper end, \$2.25.

HUSKING PINS



No. 15. Universal. (See cut.) All metal; adjustable to any size hand. 25c.

No. 16. Combination; leather and metal. 35c.

No. 17. The Boss; leather and metal; adjustable. 25c.

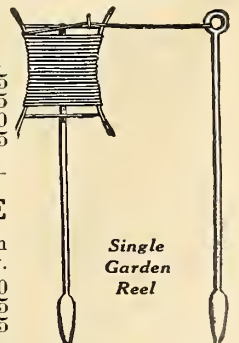


CORN KNIFE

Eureka, bent blade. Weight, 2 lbs...\$0.75

GARDEN REELS

Small, Single ..\$0.85
Medium, Single. 1.25
Large, Double... 3.00
Large, Single...2.25

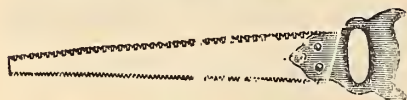


GARDEN LINE

Best quality cotton braid woven closely.
100 ft. hanks...\$1.50
200 ft. hanks... 2.75
300 ft. hanks... 4.25

Plow Line Cotton, 45-ft. hanks, 85c.

138 MICHELL'S FARM AND GARDEN TOOLS



DISSTON PRUNING SAWS

	P. P. Wt.	Each
No. 40. 18-inch. Avery double edge	2 lbs.	\$1.00
No. 40. 20-inch. Avery double edge	2 lbs.	1.25
No. 7. 16-inch. Single edge	2 lbs.	1.25
No. 7. 18-inch. Single edge	2 lbs.	1.35
No. 7. 20-inch. Single edge	2 lbs.	1.50
No. 7. 22-inch. Single edge	2 lbs.	1.60



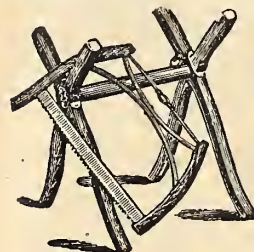
CROSS CUT LOG SAWS

Disston Make.
Keystone No. 3, one-man, 3½ ft. blade. \$4.00
Gt. American, two-man, 5 ft. blade.. 5.00



CARPENTER SAWS

State if rip or cross cut is wanted.
Disston No. 8D. 26-inch blade.....\$3.00
Disston No. 8D. 28-inch blade..... 3.40



BUCK SAW

Each\$1.25

SAW-HORSE or WOOD BUCK

Each\$0.85



EXTENSION LADDERS

These are made in the best manner possible, are complete, being equipped with the necessary rope and pulleys.

16 feet	\$6.40	26 feet	\$10.40
18 feet	7.20	28 feet	11.20
20 feet	8.00	30 feet	13.50
22 feet	8.80	32 feet	14.40
24 feet	9.60	34 feet	15.30

SINGLE PLANK LADDERS

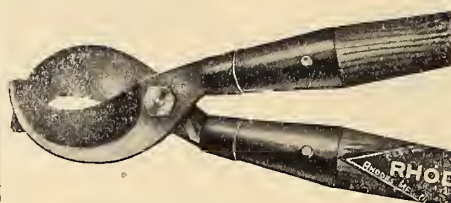
Made of good hard wood, free from faulty knots; with perfect rounds.

10 feet	\$3.00	16 feet	\$4.80
12 feet	3.60	18 feet	5.40
14 feet	4.20	20 feet	6.00



LEATHER PRUNING GLOVES

	P. P. Wt.	Pair
Buckskin (Plain)	1 lb.	\$3.00
Leather, with gauntlets.....	1 lb.	2.50



LOPPING SHEARS

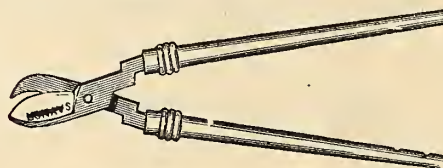
For trimming trees and cutting heavy hedges.

RHODES DOUBLE CUT

(See illustration above)

Makes an absolutely clean, perfect cut; the blades are concave at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating Lopping Shears ever made or sold. 24-inch and 28-inch handles. Price, \$3.25.

Parcel Post Weight, 5 lbs.



No. 109 English Lopping Shears. 4-inch cut, made of the finest English steel, has great cutting power; will sever heavy branches readily. Price, \$4.50. (See cut above.)

No. 5400 Clyde Lopping Shears. 24-inch handles, a splendid medium-priced tool, made of good steel. Weight, 5 lbs.; 1½-inch jaw. Price, \$3.25.

No. 5400 Clyde Lopping Shears. 30-inch handles. Weight, 5 lbs. This shear has a straight jaw so that it will handle a limb up to at least 2½ in. diameter; fitted with an adjusting nut to keep it tight. Price, \$3.75.



Disston's Little Giant Pole Pruner



Disston's Little Giant Pruner and Saw

Disston's Little Giant. Pruner.....\$2.00
Parcel Post Weight, 3½ lbs.

Disston's Little Giant. With saw attachment (see cut) 3.00
Weight, 4 lbs.

The above prices without rope or pole.



TELEGRAPH TREE PRUNER

This has a removable blade which can be renewed when worn out for 25c. Price, plain as in cut, \$1.25.

Parcel Post Wt., 2 lbs.

WATERS TREE PRUNERS



With removable cutting blade and pole complete.

4 feet	\$1.00
6 feet	1.25
8 feet	1.50
10 feet	2.00
12 feet	2.25
14 feet	2.50

Extra Blades for Waters Pruners, 25c. each.

The above Tree Pruners are equipped with poles.

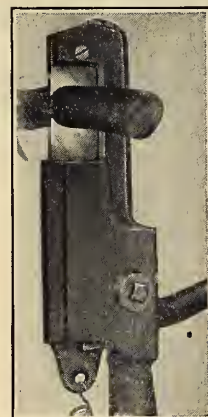
Waters Pruners are not available.

POLES FOR TREE PRUNERS

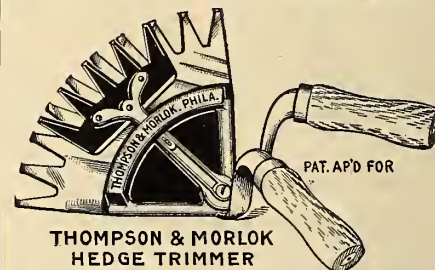
12 feet long, 1¼ inches diameter,	\$1.25.
14 feet long, 1½ inches diameter,	\$1.50.
16 feet long, 1½ inches diameter,	\$1.75.

DEXTER TREE PRUNER

The Dexter is a tool of 100 per cent. efficiency and is all that a pruner should be. It does the work with greater ease, economy and safety than any other pruner. Price, \$4.00 each.



Dexter Pruner



THOMPSON & MORLOK
HEDGE TRIMMER

A practical tool for trimming the summer growth of hedge, and does the work in ¼ the time required with an ordinary hedge shear. When cutting a hedge with the Unique Trimmer, the sides and any special shaped hedge can be cut as readily as straight-away work. Cuts 11-inch swath. Price on application.



HEDGE SHEARS

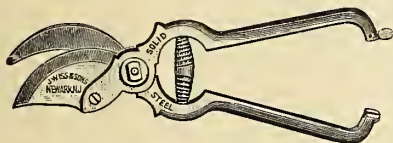
	P. P. Wt.	Plain Bolt Each
107. 6½-inch, Ladies'	4 lbs.	\$2.25
101. 8-inch	4 lbs.	2.50
101. 9-inch	5 lbs.	2.75
101. 10-inch	5 lbs.	3.00
101. 12-inch	6 lbs.	4.50

Bolts and Nuts for hedge shears, 15c. complete.

Handles for Hedge Shears, 60c. per pair. P. P. Weight on Handles, 2 lbs. per pair.

PRUNING SHEARS, ETC.

Our pruning shears are procured from the most reliable makers in America and all are fully guaranteed.



Wiss Pruning Shears

No.		P. P. Wt. Each	
109	Wiss, 8 in.	2 lbs.	\$3.25
60	Pexto American, 9 in.	2 lbs.	1.00
65	Pexto American, 9 in.	2 lbs.	1.50
105	Pexto American, 9 in.	2 lbs.	1.75
R165	Pexto American, 9 in.	2 lbs.	2.00
R 70	Pexto American, 9 in.	2 lbs.	2.00
R170	Pexto American, 9 in.	2 lbs.	2.50



No.		P. P. Wt. Each	
14	Nickeled, 6½ in.	1½ lbs.	\$1.40
0	American		.60

Spiral Springs for any of the above Pruning Shears. 15c. each; per doz., \$1.50. Parcel Post Weight, per doz., ½ lb.



FRENCH PRUNING SHEARS

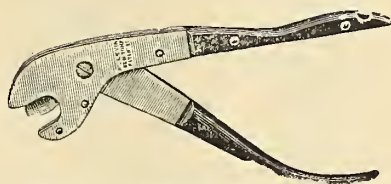
These have a distinct, very easy working spring and are desirable for one whose hand is liable to fatigue.

No. 1542.	7 inch	.....2 lbs.	Price on Application
No. 1542.	8½ inch	.....2 lbs.	
Spirals for French Pruning Shears			

HAPPY JACK SAILOR WINDMILL

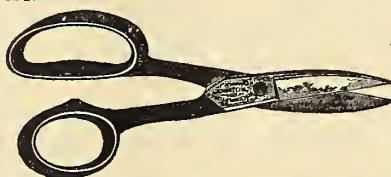


An interesting feature for the children's garden, although they are equally practicable for the grown-ups. They revolve with the least puff of wind, and on account of their looks they serve as a scarecrow for undersirable birds or animals. They can be fastened to any tree, post, house or wash line pole. Please note while this illustration shows a pipe in the mouth of Happy Jack, the manufacturer is now omitting this feature. P. P. W., 3 lbs. Height, 15 in., \$1.25 each.



LEVIN PRUNER No. 23

The handle of these shears affords a great deal of leverage, which makes very easy cutting possible. Price, 85c. Weight, 2 lbs.



WIRE AND TIN SHEARS

No. 833.	7½ inch, used for cut flower wire, etc.	\$1.15
No. 833.	8 inch, used for cut flower wire, etc.	1.25
	Parcel Post Weight, 1 lb.	
	10 inch for heavy wire and tin.	1.75
	8 inch for heavy wire and tin.	1.50
	Parcel Post Weight, 2 lbs.	

FLOWER SCISSORS

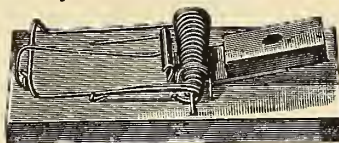


No. 1922. Cuts flower and holds the stem. P. P. Weight, 4 ozs. Price on application.

GRAPE SCISSORS



No. 6148.	6 inch	.....8 ozs.	\$1.50
No. 6148.	6½ inch	.....8 ozs.	
No. 6148.	7 inch	.....8 ozs.	
No. 6148.	8 inch	.....8 ozs.	
6-in. only size obtainable at present.			



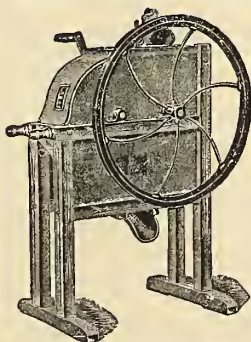
Out-O-Sight Rat Trap

OUT-O-SIGHT TRAPS

The most satisfactory mouse and rat trap. Set off at the least vibration.

	P. P. Wt. Each	Doz.
Mouse	.....8 ozs. \$0.10	\$1.00
Rat	.....1 lb. .25	2.50

PENNA. CORN SHELLER No. 3



Will be found useful on every farm and private estate. Separates the corn from the cob, throwing the cob to one side and allowing the corn to pass out at another.

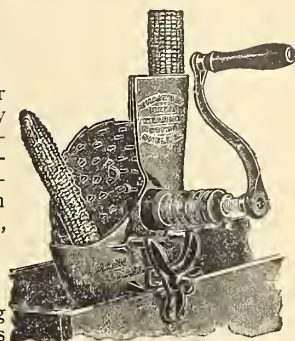
Price, \$16.50.

MANN'S CORN SHELLER

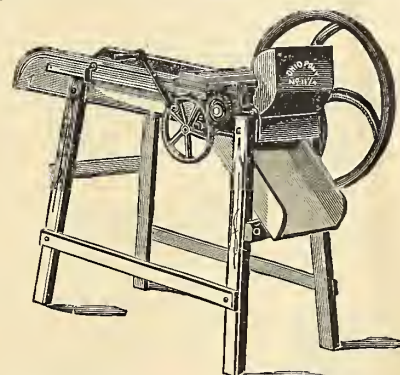
Excellent for small poultry farms, etc. Ball-bearing, suitable for fastening to a bench box, etc. Price, \$3.00.

BLACK HAWK CORN SHELLER

For shelling small quantities of corn. \$2.50 each.



Mann's Corn Sheller



OHIO HAY AND FEED CUTTER

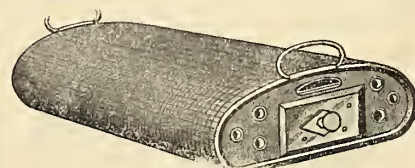
This is considered the finest machine for cutting hay, ensilage, etc.

No. 11¼.	Single knife,	\$18.50.
No. 11½.	Double knife,	\$27.00.
Mann's Clover Cutter.		
Plain,		\$10.00; on stand, \$12.50.

BANNER ROOT CUTTERS



No. 7.	For poultry, sheep and lambs.	\$7.00.
No. 16.	Medium size,	\$17.00.
No. 35.	Large size,	\$18.00.
Roots of vegetables cut up fine take the place of grass and greens during the winter months.		



AUTOMOBILE HEATERS

These will keep the temperature above freezing in most any ordinary closed vehicle during the severest weather. Just the thing for either a limousine or an open car. No. 7B. Lehman, covered with green Brussels carpet; 14-in. long. \$5.50 each. Coal for automobile heaters, \$1.00 per doz. bricks; per 100, \$7.00. Tongs for handling hot coal, 35c. pair.



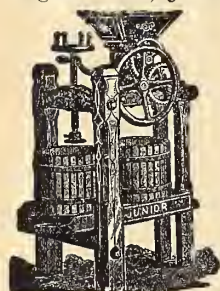
LIQUID MANURE DISTRIBUTOR

This can be attached to hose with which you are watering and, connected with a barrel of liquid manure, the suction of water will draw a quantity of manure with it. All brass. \$3.50 each.



BOSS FRUIT PICKER

Made substantially of galvanized wire. Can easily be attached to a pole of any length. Price, 50c. P. P. Weight, 2 lbs.



Cider Mill

WINE PRESSES

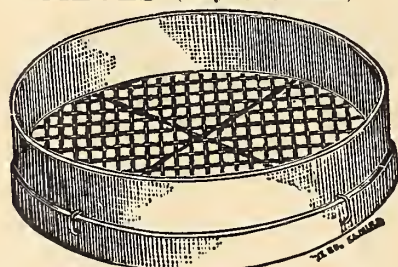
Made of best quality wood, carefully bolted and finished.

- No. 1\$6.50
- No. 2 7.25
- No. 2½ 9.25
- No. 311.00

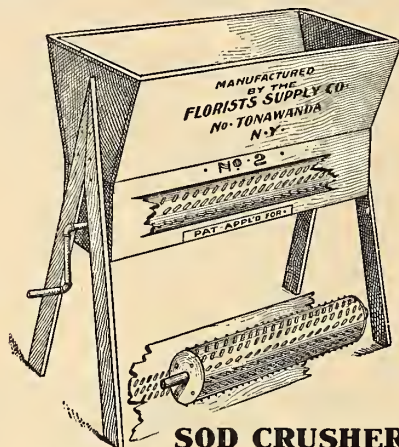
GRAPE GRINDER

Suitable for crushing berries, grapes and similar soft fruit. Price, \$5.00.

SIEVES (Any Size Mesh)



- Made extra well
- 20-inch Extra heavy.....6 lbs. \$1.50
- 20-inch Regular wire.....6 lbs. 1.25
- 18-inch Regular wire.....6 lbs. 1.15

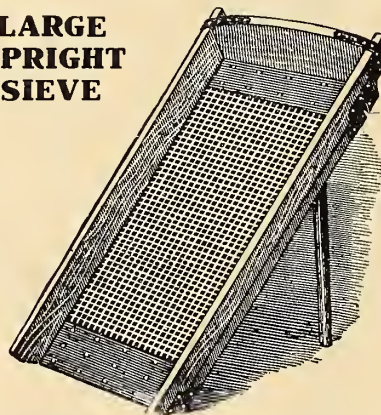


SOD CRUSHER AND SOIL PULVERIZER

These machines are equipped with a hopper and a roller, the latter being spiked. It is turned by means of a handle and crushes the soil perfectly, avoiding the necessity to sift.

- No. 1, \$20.00 | No. 2, \$25.00 | No. 3, \$35.00

LARGE UPRIGHT SIEVE



For soil, gravel, sand, etc. Made in any size mesh, of extra heavy foundry wire. \$14.00 each.

Testimonial

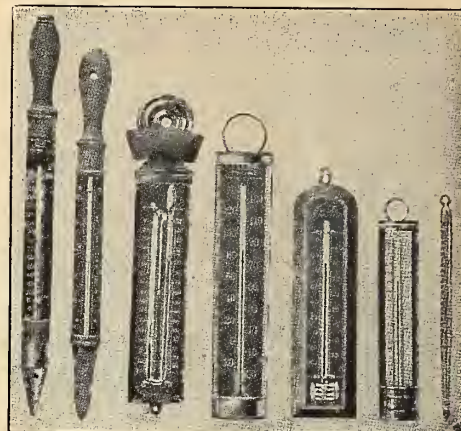
We wish to thank you for your way of doing business and will heartily recommend you to our friends and customers who should not happen to know you, believing that by dealing with you they will gain.

DALE & YOST,
Philadelphia.

PARCEL POST SHIPMENTS

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.

Our Garden Tool Department we believe to be the most fully equipped of any seed store in the United States. Most every tool of real merit for garden work will be found here, and of the best quality.



5154 5100 5420-B 5724

THERMOMETERS MAXIMUM AND MINIMUM

Registering the coldest and the warmest point during the previous night.

8-inch, each, \$3.50; 10-inch, each, \$4.00.

TESTED THERMOMETERS

- Each
- No. 5420B—8 in., Tin Case.....\$0.75
- No. 5420B—10 in., Tin Case..... 1.00
- No. 5420B—12 in., Tin Case..... 1.25
- No. 5154—8 in., Coppered Case..... 1.00
- No. 5154—10 in., Coppered Case.... 1.25
- No. 5100—8 in., Wood Back, Black Scale 1.75
- Black Scale, 10 in..... 2.00

STANDARD THERMOMETERS

White scale, tin case; very reliable.

- No. 5420W—8 in.....Each \$0.60
- No. 5420W—10 in.....Each .75

MUSHROOM OR HOTBED THERMOMETERS

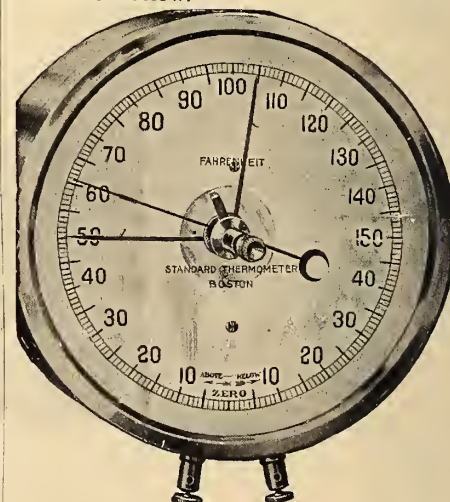
Galvanized Iron Point.....Each \$2.25

GLASS DAIRY THERMOMETERS

No. 5724. For testing milk, etc., also used for soil purposes. 75c. each.

ELECTRIC THERMOSTAT

This device can be set to ring an alarm when the temperature goes above or drops below a desired point. All brass. Regular style, \$11.00; Waterproof style, \$16.00. See illustration below.



GLAZING POINTS

Peerless. Made of zinc with tinned finish; can be used on right or left hand side of sash bar. Three sizes.

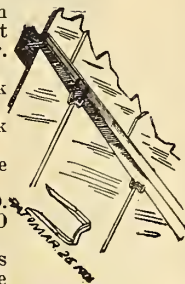
No. 1 for single thick glass.

No. 2 for single thick glass.

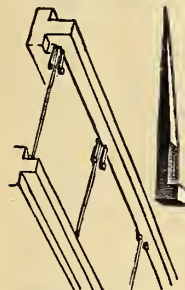
No. 2½ for double thick glass.

Price, 75c. per 1,000. By mail, 10c. per 1,000 extra.

Nos. 1 and 2. Michell's Glazing Points. Quite like the Peerless style. No. 2 and 2½, 65c. per 1,000. (By mail, 75c.)



Peerless Point



Siebert's Glazing Point

Pincers. For driving Michell's and Peerless Points, 50c. By mail, 55c.

Siebert Style. Made with a prominent head; cannot rust; easily driven, 5-8, 6-8 and 7-8 inches long. Zinc, 55c. per lb.; 5 lbs., \$2.60.

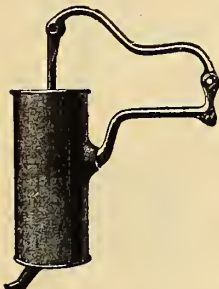
1,000 to 1,200 in a lb. Zinc Glazing Nails, 50c. per lb.; 5 lbs., \$2.40.



6-Wheel Glass Cutter

GLASS CUTTERS

Single Wheel, steel, each\$0.20
6-Wheel, steel, each\$0.50
Diamond (Ebony handle) 3.00
Diamond (Cocoa handle) 4.00



Mastica Machine



Putty Distributor

PUTTY DISTRIBUTOR

For distributing putty, mastica, etc. Price, \$1.50. Parcel Post Weight, 1 lb.

MASTICA

For glazing greenhouses, new or old. One gallon will cover about 300 running feet. 1 gallonP. P. Wt. 15 lbs. \$2.25
5 gallons for \$10.75.

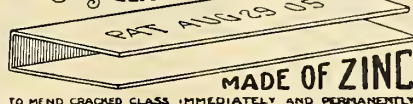
MASTICA MACHINE

For distributing mastica, etc. Made of heavy zinc. Price, \$2.25. P. P. Wt., 2 lbs.

FEDERAL GLAZING CEMENT

1 gal.\$1.75 | 5 gal.\$7.00

PEERLESS REPAIR CLAMP



TO MEND CRACKED GLASS IMMEDIATELY AND PERMANENTLY

GLASS CLAMPS

For supporting broken lights of glass. Per box of 100, \$1.75. P. P. Wt., 1¼ lbs.

TWEMLOW'S PUTTY

Superior to putty, more easily applied and lasting. Can be put on with a putty bulb or mastic machine.

16-lb. can (1 gal.) P. P. Wt., 18 lbs. \$3.50
50 lbs. (3 gals.)10.35
80 lbs. (5 gals.)17.00

HAMMOND'S GREENHOUSE WHITE

A superior white paint. 1 gal., \$3.75.



Illinois Self-Watering Hanging Basket

ILLINOIS SELF-WATERING

Hanging Baskets, Porch and Window Boxes.

Made entirely of metal, handsomely finished and enameled dark green. Warranted five years against rot, rust or leakage.

Constructed with reservoir in bottom, which automatically waters plants at the roots for 10 to 20 days without attention. Suitable for living room, conservatory, enclosed and open porches; also windows.

It requires 4 chains to hang a basket, so in remitting please include sufficient to cover payment for the hanging chain, remembering that if you want the basket to hang 2 feet, this distance should be multiplied by 4 to order the number of feet of chain required.

ILLINOIS HANGING BASKETS

You will never know how nice a Hanging Basket is until you have tried the "Illinois" style. No taking down to water. No attention at all except filling reservoir once a week.

Chain for hanging baskets, 10c. ft.

No.	Size	Depth	Water capacity	Price
8	8 in. sq.	7 in.	1 qt.	\$1.50
10	10 in. sq.	7 in.	1½ qt.	1.75
12	12 in. sq.	8 in.	2½ qt.	2.10
14	14 in. sq.	9 in.	3½ qt.	2.25

RUSTIC BARK (Cedar)

For covering boxes, columns or any other article. Per sq. ft., 10c.; \$2.25 per 25 sq. ft.; 50 sq. ft., \$4.00; over 50 sq. ft., at 7½c. per sq. ft.



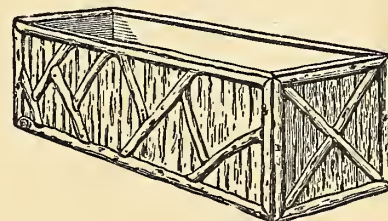
ILLINOIS PORCH BOXES

Wider and deeper than the window box; also slightly smaller across the bottom than across the top. Brass eyelets are ranged along the top edges so they may be hung from the cornice of porch if desired.

No.	Height	Width	Length	Water capacity	Price
21	9 in.	12	37 in.	7 qts.	\$3.75
22	9 in.	12	41 in.	8 qts.	4.25
23	9 in.	12	45 in.	9 qts.	4.50
24	9 in.	12	49 in.	10 qts.	4.75
25	9 in.	12	53 in.	11 qts.	5.00

ILLINOIS WINDOW BOXES

No.	Height	Width	Length	Water capacity	Price
1	8 in.	9½	23 in.	2½ qts.	\$2.50
3	8 in.	9½	27 in.	3½ qts.	3.00
5	8 in.	9½	31 in.	4½ qts.	3.25
7	8 in.	9½	35 in.	5½ qts.	3.50
9	8 in.	9½	39 in.	6½ qts.	3.75



WINDOW BOXES

Wooden Rustic Bark Style. Attractively made and neatly finished; for indoor or outdoor use.

Length	Depth outside	Width outside	Price
24-inch	7½-inch	11-inch	\$2.00
30-inch	7½-inch	11-inch	2.50
36-inch	7½-inch	11-inch	3.00

Any length made to order, \$1.10 per running foot 11 inches wide.

Plain Wood Style (Painted Green). We recommend these for use at the temporary summer home in the country or at the seashore, or in cases where one may not feel like spending a larger cost than these entail. They are substantially made and finished and will last many years.

Length	Depth outside	Width outside	Price
24-inch	6½-inch	8-inch	\$1.15
30-inch	6½-inch	8-inch	1.40
36-inch	6½-inch	8-inch	1.65

Any length made to order, 60c. per running foot, 8 inches wide.

Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.

HOSE

Our stock of this is unusually reliable. Our very large sales enable us to deal direct with the factory, where we obtain lowest prices, which we in turn give our customers the benefit of. Sections of hose in lengths of 25 feet and upward coupled free; smaller sections, couplings, attached, 30c. per pair.

RUBBER HOSE

Special attention is called to "Empire Red" Hose, a new brand which, having been thoroughly tried out, has made good.

*Michell's Special, 1/2 in...	4 ozs.	\$0.17
*Michell's Special, 3/4 in...	5 ozs.	.18 1/2
*Electric, 1/2 in...	5 ozs.	.22
*Electric, 3/4 in...	4 ozs.	.21
*Revero, 1/2 in...	5 ozs.	.23
*Revero, 3/4 in...	4 ozs.	.19
*Empire Red (Corrugated), 3/4 in...	5 ozs.	.22
Spray Pump Hose, 3/8 in...	3 ozs.	.13

P. S.—Brands marked * come in reels of 500 feet and sections in any length to that number of feet may be had.

25- and 50-foot sections of hose coupled free. Smaller sections coupled at the rate of 30c. per pair for couplings.

Hose Washers. For inside and outside of coupling. 10c. doz.; 1/4 lb., 35c.



Caldwell Band
as applied
to Hose

**HOSE BANDS**

For fastening couplings and menders.

CALDWELL'S

8. For 3-ply hose	Doz.	100
	\$0.40	\$2.50
9. For 4-ply hose	40	2.50
Parcel Post Wt., doz., 1/4 lb.; 100, 2 1/4 lbs.		

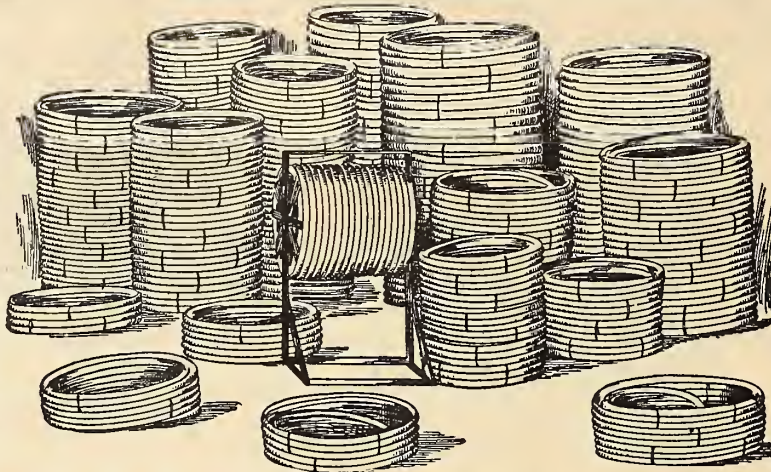
HUDSON'S

See illustration in Hudson Hose Mender Outfit cut opposite.

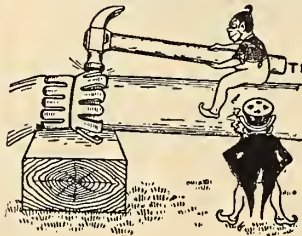
3/4-inch	Doz.	100
	\$0.18	\$1.25
1/2-inch	.18	1.25
Parcel Post Wt., doz., 1/4 lb.; 100, 2 1/4 lbs.		

SURE GRIP

3/4-inch, 5c. each; per doz., 50c.
Parcel Post Wt., doz., 1 lb.; 100, 9 1/2 lbs.

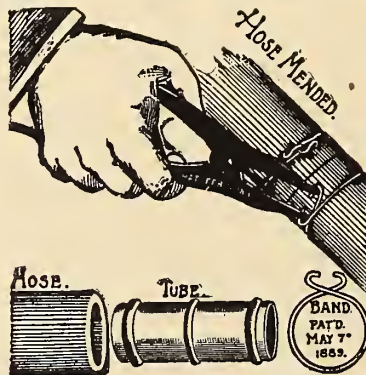
**Cooper Hose Mender
HOSE MENDERS**

	P. P. Weight	Each	100
Cooper's, 3/4-inch	1 1/4 lbs.	\$0.10	\$1.00
Cooper's, 1/2-inch	1 lb.	.10	1.00
Cooper's, 1/2-inch	1 lb.	.10	1.00
Jones, 3/4-inch (iron)	2 1/4 lbs.	.06	.60
Hudson's, 3/4-inch (brass), 1/2 lb.		.08	.85
Hudson's, 1/2-inch (brass), 6 ozs.		.07	.75
Republic, 3/4-inch (screw sleeve)		.15	1.50

THE PERFECT HOSE MENDER

Made entirely of brass, with swivel motion — no band required. For 3/4-inch hose, 12c. each; doz., \$1.20.

Parcel Post Weight, per doz., 1 1/4 lbs.

**HOSE MENDING OUTFIT**

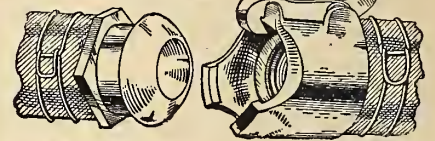
(For 3/4-inch Hose)

Furnishes a complete outfit, consisting of 6 menders or connections, 18 bands or fasteners, and a pair of pliers for fastening bands. Price, 85c. each. Parcel Post Wt., 1 lb.

**BRASS HOSE COUPLINGS**

	P. P. Weight	Pair	Doz.
1/2-inch	3 1/4 lbs.	\$0.30	\$3.00
3/4-inch	4 lbs.	.30	3.00

REGISTERED IN UNITED STATES AND FOREIGN COUNTRIES



No. 2 Snap Coupling No. 1 Snap Coupling

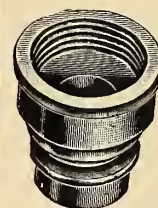
SNAP HOSE COUPLING

Snap Couplings are entirely new and novel. They couple hose instantly, work on a spring, and are water-tight. 35c. pair; doz. pairs, \$3.60. (Washers, 20c. doz.)

Parcel Post Weight, per doz., 2 1/2 lbs.

SNAP COUPLING PARTS

No. 2. Male. 13c. each; per doz., \$1.35.
Parcel Post Weight, per doz., 1 1/4 lbs.
No. 1. Female. 22c. each; per doz., \$2.25.
Parcel Post Weight, per doz., 1 1/4 lbs.



No. 3



No. 4

ACME HOSE COUPLINGS

For quickly connecting and detaching hose. No. 3 part, for attaching to spigot, 18c. each; doz., \$2.00.

Weight, per doz., 3 lbs.

No. 4 part, for attaching to hose. 30c. each; doz., \$3.50. Weight, doz., 3 lbs.

Couplings complete, consisting of one No. 3 and one No. 4 part, 47c. each; per doz., \$5.50. Weight, per doz., 6 lbs.

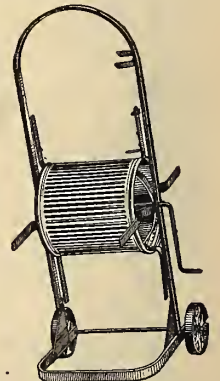
HOSE REELS

Reels are not mailable.

WIRT'S (All Iron)

10...	100 ft...	\$5.00
20...	150 ft...	5.50
30...	400 ft...	7.50

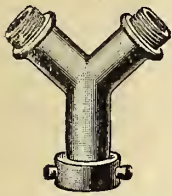
Holds 100 ft. 3/4-in. hose. See cut, \$3.00.

**NOZZLE HOLDERS**

For sticking in the ground while one continues with other work. Made of galvanized heavy wire. Price, 25c. each.

P. P. Wt., 8 ozs.



No. 68 SIAMESE HOSE CONNECTION

This permits one lead of hose to be diverted in two directions. Additional three-way connections can be used according to the water pressure. It is specially adapted for lawn sprinkling. Price, 85c. each.

Parcel Post Weight, 1 lb.

HOSE REDUCERS

For reducing 1-in. pipe to fit regular 3/4-in. hose. Each45c.

Parcel Post Weight, 1 1/2 lbs.

HYDRANT ATTACHMENTS

To be used for attaching hose to smooth faucets.

Royle Style. 55c.

Parcel Post Weight, 1/2 lb.

Boyd Style. Price\$0.40

Parcel Post Weight, 1/2 lb.

**PLAIN STREAM NOZZLES**

For 3/4-in. hose.

	P. P. Wt.	Price
4 inch	4 ozs.	\$0.75
6 inch	6 ozs.	1.00

BOSTON SPRAY NOZZLE

These render the same service as does the rose of a watering can. They are screwed on the end of the hose like any other nozzle. Coarse and fine, for 3/4-in. hose.

	P. P. Wt.	Price
Light Copper	1/2 lb.	\$1.00
Heavy Brass	lb.	1.50

BOSS HOSE NOZZLE

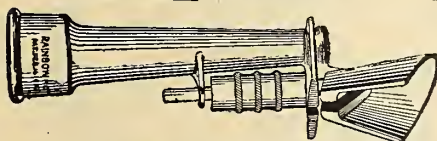
Price, 85c. each.
For 3/4-inch hose.

Parcel Post Weight, 1/2 lb.

**GEM HOSE NOZZLE**

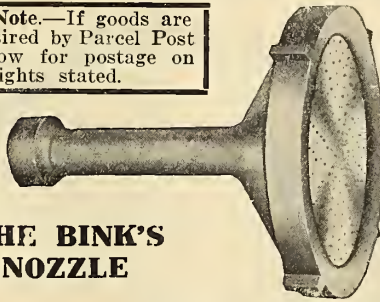
3/4-inch hose. Can be regulated to give three different streams. Price, 75c.

Parcel Post Weight, 1/2 lb.

**RAINBOW NOZZLE**

An all-brass device with an adjustable arrangement, which regulates in a perfect manner the character of the stream this nozzle will throw. Florists consider it one of the very best on the market today. For 3/4-inch hose. Weight, 1 lb. Price, \$2.00.

Note.—If goods are desired by Parcel Post allow for postage on weights stated.

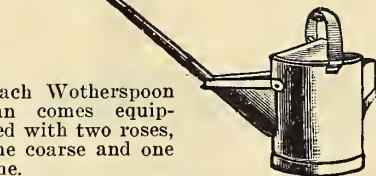
**THE BINK'S NOZZLE**

Made of aluminum, with brass face; equipped with interchangeable sprays, coarse and fine. It makes watering possible without wetting the hands. Positively the best and most indestructible nozzle made. \$3.00 each; worth twice the price. Parcel Post Weight, 1 1/4 lbs.

WATER CANS (Wotherspoon's)

Extra heavy with long spout.

Will last for years.



Each Wotherspoon can comes equipped with two roses, one coarse and one fine.

2 quart (equipped with one rose only)\$2.00

	Round	Oval
4 quart	\$3.50	
6 quart	3.75	\$4.00
8 quart	4.00	4.25
10 quart	4.25	4.50
12 quart	4.50	4.75
16 quart	4.75	5.25
12 quart Manure Watering Can		4.75
4 quart Fern or Low Watering Can		2.50

EXTRA ROSES OR SPRAYS

For Wotherspoon Watering Can, either coarse or fine, 60c. each.

Parcel Post Weight, 8 ozs.

ENGLISH WATERING CANS

Made of very heavy tin; carefully enameled inside and out; finished uguc green.

No. 2, 4 qt....\$3.50 | No. 3, 6 qt....\$4.50
No. 4, 8 qt.... 4.00 | No. 5, 10 qt... 4.75

English Watering Cans are not mailable.

GALVANIZED WATER CANS

Fine for cemetery purposes and other places where a can is desired to last several seasons. (Not mailable.)

4 quart ....\$0.90	12 quart ....\$1.65
6 quart 1.00	16 quart 1.85
8 quart 1.25	20 quart 3.25
10 quart 1.40	

LIGHT TIN WATER CANS

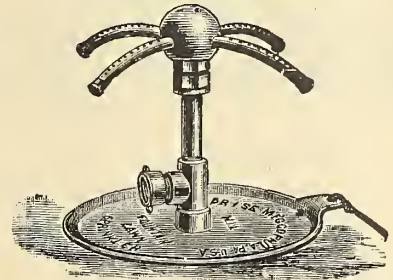
1 quart, green\$0.40
Parcel Post Weight, 1 lb.

2 quart, green45
Parcel Post Weight, 1 1/4 lbs.

4 quart, green55
Parcel Post Weight, 1 1/2 lbs.

RUBBER APRONS

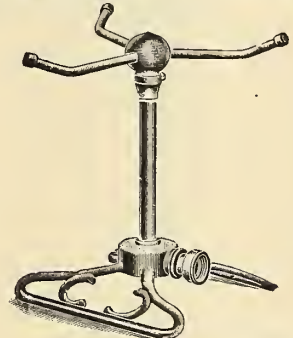
For protecting the clothing while watering or doing any work in the garden where your clothes could become soiled. \$2.25.

LAWN SPRINKLERS

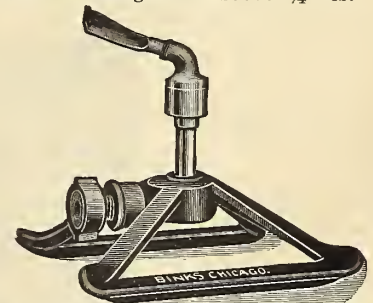
	Weight	Price
Enterprise. No. 1. See cut.	14 lbs.	\$4.50
Ring. Large, see cut	1 lb.	1.00
Ring or Fountain. Small....	3/4 lb.	.75
Hotchkiss. No. 5. 10 1/2 in. high	4 lbs.	1.50
Pluvius. 11 in. high	3 1/4 lbs.	1.50



	Weight	Price
Universal. No. 65. 10 in. high. 4 1/4 lbs.		\$2.00
Eureka. No. 55. 10 in. high. .3 lbs.		1.50
Aetna. 24 in. high	6 1/4 lbs.	2.25



	Weight	Price
Mayflower. 9 1/2 in. high....	3 1/2 lbs.	\$1.50
Preston. 5 1/2 in. high	3 1/2 lbs.	1.50
Waterwitch. 8 3/4 in. high....	1 lb.	.50
C. B. G. For golf links....	3/4 lb.	.60



Bink's Rainfall Sprinkler. For large lawns, putting greens, etc. \$1.50 each.

TURBO SPRINKLERS

Especially designed for putting greens and for golf course fairways. Price, \$18.00.

PEACOCK SPRINKLERS

A pipe arrangement, equipped with nozzles set at various distances.

8 ft. Junior...\$8.00 | 12 ft. Peacock...\$15.00



CEDAR PICKET FENCING

Is tailor-made compared to the ordinary kinds of ready-made fencing. Will wear for years absolutely without paint. Readily put up and saves time, labor and expense of fence building. It is far ahead of and will outwear the old style wire fence by many years. Rolls of 50, 75 and 100 feet.

3 ft. high, with 4 gal. steel double wire cables, 10c. per running foot.

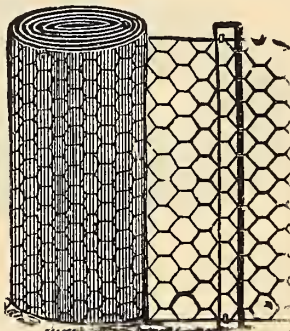
4 ft. high, with 5 gal. steel double wire cables, 12c. per running foot.

5 ft. high, with 6 gal. steel double wire cables, 15c. per running foot.

WIRE NETTING

Price is constantly changing and is subject to change.

No. 19. Galvanized, two-inch mesh, 150 running feet per bale.



Width	Per Bale	Width	Per Bale
12 inches...	\$2.10	42 inches...	\$5.75
18 inches...	3.15	48 inches...	6.25
24 inches...	3.50	60 inches...	7.25
30 inches...	4.00	72 inches...	8.75
36 inches...	5.00		

No. 20, galvanized, one-inch mesh, 150 running feet per bale.

Width	Per Bale	Width	Per Bale
12 inches...	\$4.00	42 inches...	\$10.00
18 inches...	5.50	48 inches...	11.00
24 inches...	6.75	60 inches...	13.50
30 inches...	7.50	72 inches...	16.50
36 inches...	8.50		

STAPLES

¾ inch, for fastening netting, 15c. per lb.

CUT WIRE NETTING

2-inch mesh, under 100 sq. ft., 3c. per sq. ft.; 2-inch mesh, 100 sq. ft. and over, 2½c. per sq. ft.; 1-inch mesh under 100 sq. ft., 5c. per sq. ft.; 1-inch mesh, 100 sq. ft. and over, 4c. per sq. ft.

SUN DIAL

This ancient time teller is a part of every exclusive flower or vegetable garden, and indeed a very interesting one. It is made of cast iron with screw holes, so it may be fastened down to a pedestal or other foundation. The figures are raised, so that they may be easily renovated with paint or otherwise, when weather-beaten. Dial face is 8 ins. in diameter, bottom 10 ins. in diameter, finished in black, gilded figures. Without pedestal, \$3.25. P. P. Wt., 6 lbs.



LAWN GUARDS

For path corners, flower beds, etc. Iron (see cut), nicely painted green, \$1.00 each; per doz., \$11.00. Not mailable.

Wire, made extra heavy and well galvanized. Price, 30c. each; per doz., \$3.00. Not mailable.

LAWN SIGNS

Excellent for putting on grass plots where thoroughfare is not desired.

Iron (shown opposite), painted gray, trimmed red. 75c. each; per doz., \$8.00. Parcel post weight, 4 lbs.



KEEP OFF THE GRASS

Enameled Iron Style. (See cut above). This pattern is the best for conspicuous places. The name plate is finished with green and white enamel, is 20 inches long and about 4 inches wide. Equipped with a substantial iron stake. \$1.50 each; per doz., \$17.00. Parcel Post Weight, 3 lbs.



Perfection Hanger

POT HANGERS

	Each	Doz.
Krick's No. 1. 3 to 5-in. pots	1 lb.	\$0.04 \$0.40
Krick's No. 2. 6 and 7-in. pots	1 lb.	.05 .45
Krick's No. 3. 8 to 10-in. pots	1 lb.	.06 .55
Perfection. Suitable for any size pot up to 8 inches. Made of galvanized wire, 15 inches long. 12c. each; \$1.25 per doz.; per 100, \$8.50.		
Parcel Post Weight, each, 8 ozs.		

BASKET OR CEMETERY HOOKS

Thoroughly galvanized so they cannot rust. Single, 5/16 in. thick, \$1.10. Double, 7/16 in. thick, \$1.50. These cannot be mailed.

VASES

For holding cut flowers on cemetery lots and graves.



PAINTED GREEN

No.	Wt.	Each	Doz.
1. Large	4 lb.	\$0.55	\$5.50
2. Med.	2 lb.	.40	4.00
3. Small	2 lb.	.35	3.50

GALVANIZED

No.	Wt.	Each	Doz.
1. Large	4 lbs.	\$0.70	\$7.00
2. Medium	2 lbs.	.60	6.00
3. Small	2 lbs.	.50	5.25

TIN ENAMELED

Color, rich green; will not burst in cold weather.

No.	Wt.	Each	Doz.
1. Large	½ lb.	\$0.30	\$3.00
2. Small	½ lb.	.25	2.50

HANGING BASKETS

Rustic. These are made in attractive patterns, oblong design, finished natural oak and very rustic indeed. Will last many years.

Tin Enameled Vase

Rustic Baskets

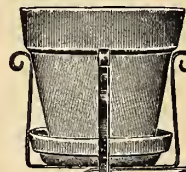
8-inch ...	\$1.75 each
10-inch ...	2.00 each
12-inch ...	2.25 each

Not mailable.

Galvanized Wire Baskets

For greenhouse, porch and conservatory use.

	Each	Doz.
8 in....	\$0.25	\$2.75
10 in....	.40	4.25
12 in....	.55	5.25
14 in....	.75	7.25
16 in....	.85	8.50



JONES' POT BRACKET

No. 1. Holds 5-inch pot.	Each, 35c.; \$4.00 per doz.
No. 2. Holds 6-inch pot.	Each, 40c.; \$4.50 per doz.
No. 3. Holds 7-inch pot.	Each, 45c.; \$5.00 per doz.
Parcel Post Wt., each, 2½ lbs.	



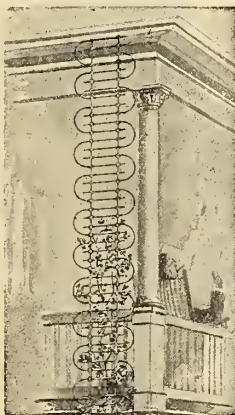
FLOWER BED FENCING

For putting around beds, lawns, etc. Any length desired up to 150 running ft.
16 in. Less than 150 ft. roll, 16c. per ft.
16 in. In roll lots, 150 ft., 14c. ft.
22 in. Less than 150 ft. roll, 18c. per ft.
22 in. In roll lots, 150 ft., 16c. ft.

CONTINUOUS WIRE TRELLIS

Excellent for training vines of all kinds up porch verandas, pergolas, etc. Thoroughly galvanized and well made.

Any length desired up to 150 running feet.
13 in. wide less than 150 ft. rolls, 16c. per ft.
13 in. wide, in roll lots, 150 ft., 14c. per ft.
19 in. wide, less than 150 ft. rolls, 18c. per ft.
19 in. wide, in roll lots, 150 ft., 16c. per ft.



Continuous Trellis



WIRE TRELLIS

12 inch high	.....\$0.35
18 inch high	..... .60
24 inch high	..... .85
30 inch high	..... 1.50
36 inch high	..... 1.65
48 inch	..... 4.00
60 inch	..... 5.00
72 inch	..... 6.50



VINE OR WALL NAILS

For fastening climbing vines, equipped with a soft metal clasp which holds the vine against the wall.

1-in., doz., 30c.; per 100, \$1.75. 1½-in., doz., 35c.; per 100, \$2.00; 2-in., doz., 40c.; per 100, \$2.25.

FAN TRELLIS

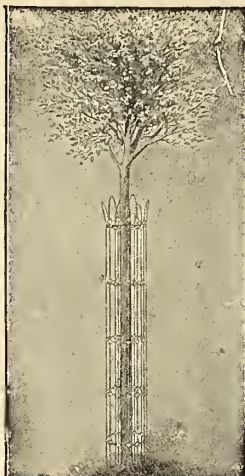
Made of wood, painted green.

18 inch.....\$0.30	36 inch.....\$1.00
24 inch..... .40	42 inch..... 1.25
30 inch..... .60	48 inch..... 1.50



WIRE TRELLIS (Made to Order)

We are able to have made, at short notice, special sizes of wire trellis, any length and any width. Price, 50c. per sq. ft.



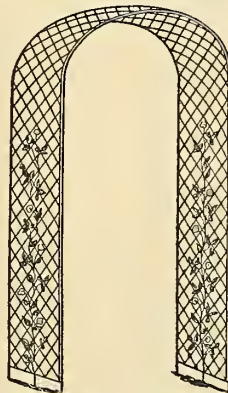
WIRE TREE GUARD

Carefully galvanized, 9 in. diam. \$1.75 each; 12 in. diam., \$2.00 each.

GALVANIZED WIRE ARCHES

These can be furnished on short notice any height or any width. Made of heavy diamond mesh wire with strong frames. 50c. per sq. ft.

Special heavy wire work arches can also be supplied. Prices upon application.

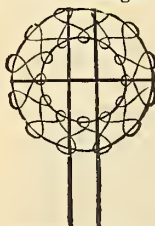


VERANDA TRELLIS

Made of wood and painted green.

2 feet .....\$0.80	6 feet, heavy.\$2.25
3 feet ..... .90	8 feet, heavy. 2.75
4 feet 1.25	10 feet, heavy. 3.50
5 feet, heavy. 1.75	12 feet, heavy. 4.50

Larger sizes to order.



VY TRELLIS

Made of wood, painted green.
16 inch diam..\$0.75
20 inch diam.. .85
24 inch diam.. 1.00

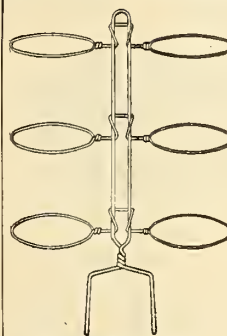


No. 4 IRON TREE GUARD

12 in. diam., 6 feet high. Price, \$5.00.

OFFICIAL PHILADELPHIA TREE GUARD

Of round iron, 6 ft. high, 14 inches diameter, \$6.00 each.



Richmond 3-Ring Support (Double)

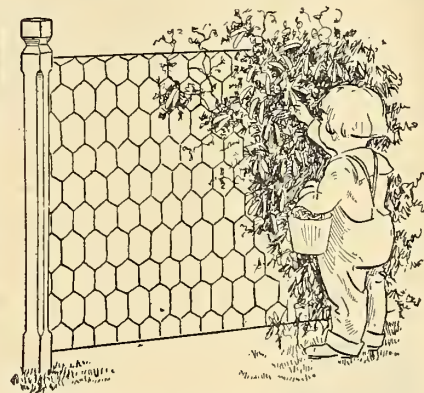


Model 2-Ring Support

CARNATION SUPPORT

Richmond is the most popular support on the market. Can be put together in a minute, and is always satisfactory; 29 in. high.

	Per doz.	100	1000
Richmond double	....\$1.00	\$6.50	\$60.00
Richmond single	.... .85	5.50	50.00
Model, 2-ring	.....\$0.85	\$5.00	\$45.00
Model, 3-ring	..... 1.00	6.00	50.00



WIRE PEA TRELLIS

This does away with brush, twine, etc., and avoids the necessity of peas lying on the ground and wasting; made of best wire and painted wood. It is 48 inches high and in 10-foot sections, with 3 suitable 5½-foot stakes for fastening in the ground. Can be put away and used year after year. \$1.50 per section; 10 sections for \$14.00.



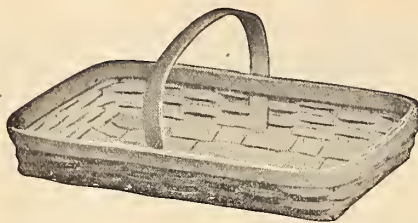
Model Tomato Support

TOMATO OR PAEONY SUPPORT

These pay for themselves the first season. They insure more flowers and better fruit.

Model (Wire). Each, 35c.; doz., \$3.50; \$25.00 per 100.

Michell's Horticultural and Garden Supplies



GATHERING BASKET

Very convenient for carrying berry boxes, asparagus and other vegetables. Made of oak; 12 in. wide, 23 in. long, 4 in. deep. Price, \$1.00.



GARDEN BASKETS

No. 2, Stiff Handle

Each
1/2 Bu. \$0.75

No. 3, Drop Handle

1/2 Bu. \$0.75

No. 4, Without Handle

Each
1/2 Bu. \$0.85
1 Bu. 1.00

SPLIT OR CHIP BASKETS

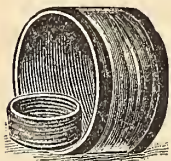
With or Without Handle

	Each	Doz.
1/4 bu.	\$0.20	\$2.25
1/2 bu. ....	.25	2.50
3/4 bu. ....	.40	4.00
1 bu. ....	.50	5.50

BERRY BOXES

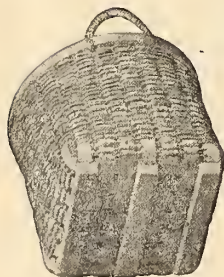
	P. P. Wt.	100	1000
1 quart	Dozen	2 lbs.	\$1.25
1 pint	1 lb.	1.15	8.00

WOOD MEASURES



1/4 Peck	\$0.65
1/2 Peck .....	.65
1 Peck .....	.90
1/2 Bushel	1.35
1 Bushel	2.50

RUBBISH BASKETS



On all large places, on the lawn, in flower and vegetable gardens, a basket for gathering up rubbish and litter will be found a great convenience, especially when it is suited for the purpose. This basket holds 3 bushels and can be carried or wheeled from place to place on a barrow. Price, with rope handles, \$3.00 each.

IRON PLANT STANDS

STAR STYLE



Somewhat similar to the "Superior," excepting that they are not fitted with the tilting device, and are finished in black varnish.

Height	Each
12 inches.....	\$1.50
18 inches.....	1.60
24 inches.....	2.00
30 inches.....	2.25
36 inches.....	2.35
42 inches.....	2.50

SUPERIOR STYLE

Can be tilted to set your plants at any angle desired to produce the proper decorative effect. Enameled green.

Height	Size of Plates	Each
12 inch.....	5 x 7	\$1.50
18 inch.....	5 x 7	1.60
24 inch.....	8 x 10 1/2	2.25
30 inch.....	8 x 10 1/2	2.50
36 inch.....	8 x 10 1/2	2.75
42 inch.....	8 x 10 1/2	3.00
48 inch.....	8 x 12	3.15
60 inch.....	8 x 12	3.25
72 inch.....	8 x 12	3.50

EXTRA PLATES FOR PLANT STANDS

	For Superior	For Star
5 inch.....	\$0.50	\$0.50
7 inch.....	.60	.65
8 inch.....	.75	...
10 1/2 inch.....	1.10	.80
12 inch.....	1.30	...

WIRE PLANT STANDS



Painted dark green and finished in bronze. Very substantial and will carry most any weight that can be placed on them. We recommend the Jones style, as it is collapsible and takes up very little space when not in use.

PHILADELPHIA STYLE

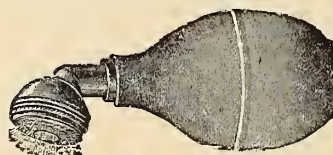
Square, 2 shelf.....	\$6.00
Square, 3 shelf.....	6.50
Half Round, 3 shelf.....	7.00
Half Round, 2 shelf.....	6.00

JONES STYLE (See cut)

2 shelf.....	\$4.00
3 shelf.....	\$5.00

If wire plants require packing for shipment, there is a charge of 50c. made for packing case.

SPRAYWELL RUBBER SPRINKLERS

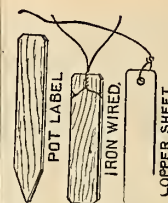


Either Straight Neck or Crook Neck

6-oz. capacity. Weight, 8 ozs.....	\$0.75
8-oz. capacity. Weight, 1 lb.....	1.00
10-oz. capacity. Weight, 1 lb.....	1.25

TREE LABELS

Parcel Post Weight, 1/2 lb. per 100.



Iron Wired. 100	1000
Plain \$0.25	\$1.30
Iron Wired. Painted ...	25 1.50
Copper Wired. Plain	.25 1.50

Copper Wired. Painted..... .30 1.85
Copper Sheet, wired. 30c. doz.; 100, \$1.50
Zinc Sheet, wired..... 30c. doz.; 100, \$1.35
Indelible Marking Pencils..... each, 15c.

PAINTED POT LABELS

	P. P. Wt.	100	500	1000
4 inch.....	1/2 lb.	\$0.18	\$0.70	\$1.25
4 1/2 inch.....	1/2 lb.	.20	.80	1.50
5 inch.....	1/2 lb.	.25	.90	1.65
6 inch.....	3/4 lb.	.30	1.00	1.90
8 inch.....	2 lbs.	.75	2.90	5.50
10 inch.....	2 1/2 lbs.	1.00	3.75	7.00
12 inch.....	3 lbs.	1.10	4.50	8.25
18 inch, for field use	4.00	19.50	36.00	

GARDEN MARKERS

For labeling perennials, garden rows, beds or individual plants.

Made of heavy metal, enameled black. The card is covered with a celluloid face, which protects it from the weather. The angle of this label is so as to make it easily read. The holder has a large capacity for cards, so that several years' records may be kept together.



	Each	Doz.	100
No. 5—8 inches high...	\$0.15	\$1.50	\$12.00
No. 5A—18 in. high...	.20	2.00	15.00
No. 5B—24 in. high...	.25	2.50	16.00

MINIATURE HOTBEDS

These are very handy to use in connection with window gardening. Suitable for raising seedlings or for rooting cuttings. Seeds started in these will mean early flower or vegetable garden. 12 x 20 in., \$2.00 each. Complete with glass. Not mailable.



GRAPE PROTECTING BAGS

If put on during the period when grapes are forming, they will save many times their cost in the amount of fruit they will protect from insects, rot, etc. All ready with wire to fasten. P. P. Wt.

	100	100	1000
2 lb. size.....	1 1/2 lb.	\$0.50	\$4.50
3 lb. size.....	1 1/2 lb.	.60	5.00
4 lb. size.....	1 1/2 lb.	.65	5.50

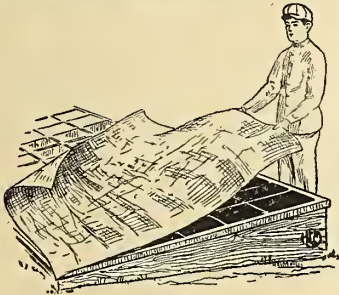
Michell's Horticultural and Garden Supplies

147

SHADING OR PROTECTING CLOTH

Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from sun and at the same time allowing ventilation.

	Yds per Pc.	Per Yd.	Per Pc.
Light. Brown cloth...	.60	\$0.20	\$10.80
Medium. Brown cloth...	.60	.30	15.60
Heavy. Brown cloth...	.40	.45	16.00



HOTBED MATS

Hotbed mats keep frosts and severe cold out of frames. They mean earlier and bigger crops.

The Drill style are the best mats that it is possible to procure. They are padded with shoddy and are practically indestructible.

Plain Drill. 76 x 76 inches, covering two regular size sash. Each, \$3.50; doz., \$40.00.

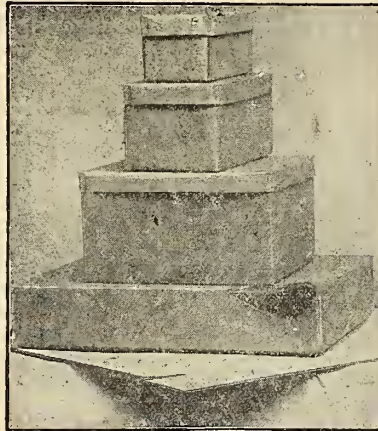
Plain Drill. 40 x 76 inches, for one sash. Each, \$2.25; \$26.00 doz.

Waterproofed Drill. 76 x 76 inches. \$4.00 each; doz., \$44.00.

Waterproofed Drill. 40 x 76 inches. \$2.50 each; doz., \$28.00.

	Each	Doz.
Straw Mats. 3 x 6 feet	\$1.50	\$16.50
Straw Mats. 6 x 6 feet	2.50	27.50

Special size Hotbed Mats to order; any length, but only in 76-inch widths.



CUT FLOWER BOXES

Corrugated

	Each	Per Doz.
48 x 14 x 8 inch	\$1.00	\$9.00
42 x 14 x 8 inch .....	.85	8.50
36 x 14 x 6 inch .....	.75	7.50
30 x 8 x 5 inch .....	.60	6.00
24 x 8 x 5 inch .....	.50	5.00

LIGHT WEIGHT PAPER BOXES

	Per Doz.	Per 100
16 x 4 x 3 inches	\$0.65	\$4.40
20 x 4 x 3 inches .....	.80	5.50
18 x 5 x 3 inches .....	.80	5.50
18 x 7 1/2 x 3 1/2 inches .....	.95	7.15
21 x 5 x 3 1/2 inches .....	.80	5.50
24 x 5 x 3 1/2 inches .....	.95	6.60
21 x 8 x 4 inches	1.10	7.50
24 x 8 x 4 inches	1.40	8.80

We can also supply other sizes of boxes, including Violet Boxes and Green Felt style. Customers desiring boxes printed can have this done by us at nominal cost.

PAPER FOR WRAPPING BOXES AND FLOWERS

	Lb.	5 lbs.	Ream
Manilla. For wrapping	\$0.20	\$0.90	\$4.00
Manilla. Tissue .....	.35	1.60	3.00
Wax. White, 24 x 36 in. ....	.50	2.40	4.50
Wax. Green, 24 x 36 in. ....	.55	2.40	4.50



ROOFING PAPER, ETC.

	Sq. ft. per roll	Per roll
Celery Paper	500	\$2.25
Neponset Red Rope	500	9.00
Neponset Red Rope	250	4.75
Neponset Red Rope	100	2.00
Tar or Pitch, 2-ply	100	1.50
Tar or Pitch, 3-ply	100	1.75
Caps for tar paper. 1 lb., 10c.; 5 lbs., 45c.		
Nails for tar paper. 1 lb., 10c.; 5 lbs., 45c.		

ERADO WEED GUN

As handy as a cane, which it resembles. Fill the reservoir, which holds about 2 quarts of liquid, with Herbicide or some other weed destroying preparation, diluted and used for destroying weeds of all kinds in lawns without hurting the grass. Press the sharp point of the gun into the heart of the weed until the flat stay pieces touch the ground, when a quantity sufficient to kill is discharged into the heart of the plant which is destroyed for all time. Price, \$1.50. All brass. (See cut.) Parcel Post Weight, 2 lbs.

WIKEHAM WEED GUN

A tubular staff 36 inches long can be filled with "Climax Weed Killer." You push the point of the Eradicator when same is loaded into the crown and root of the dandelion and the root is forever destroyed without the least injury to the surrounding grasses.

Wikeham Weed Eradicator (complete), \$4.00

Climax Weed Killer, Tin, No. 1 (enough to make 28 gallons of liquid), \$1.50. Weight, 3 lbs.

SUNDRIES

Bulb Fibre. Qt., 15c.; 30c. 1/2 peck; peck, 50c.; 85c. 1/2 bu.; bu., \$1.50.

Bull Dog Clips. For fastening packages, etc., \$1.00 per box.

Carnation Bands (Rubber). For mending bursted calyx. 30c. per oz.; 1/4 lb., \$1.00.

Carnation Staples (Wire). 60c. per 1,000.

Charcoal, Lump. For use in potting. Pk., 50c.; bu., \$1.25; barrel sack, \$2.00.

Cocoon Fibre. 10c. qt.; 4 qts., 30c.; 50c. peck; bushel, \$1.50; 5 bushels, \$5.00.

Cork for Orchids. 50c. per lb.; 10 lbs., \$4.00.

Glass Cleaner. \$1.75 gal.; 5 gals., \$8.50.

Grafting Wax. 1/4 lb., 15c.; 1/2 lb., 25c.; 35c. lb.; 5 lbs., \$1.25.

Moss (Green Lump). Pk., 50c.; bu., \$1.25; bbl. bag, \$2.50. Green Sheet. Bundle, 75c. Per bale of 5 bundles, \$3.00. Sphagnum (dry). Peck, 25c.; 50c. bu.; bbl. bales, \$1.50; 5 bbl. bales, \$4.50. Sphagnum (live). Pk., 35c.; bu., \$1.00; bbl., \$2.50.

Pebbles. Qt., 10c.; 50c. pk.; bu., \$1.50; bbl., \$3.50.

Peat or Leaf Mould. Five barrels, \$7.50; pk., 35c.; bu., \$1.00; \$2.25 bbl.

Peat, Orchid. Pk., 35c.; bu., \$1.00; bbl. bag, \$2.50.

Pruning Compound. Per qt., 60c.; \$1.50 per gal.

Sand for propagating. Per qt., 5c.; pk., 25c.; bu., 85c.; bbl., \$2.50.

Shadeline. For shading greenhouse glass. 5 lbs., \$1.25; 10-lb. cans, \$2.00.

Soil for potting. Qt., 5c.; 1/2 pk., 15c.; pk., 25c.; bu., 85c.; bbl., \$2.25.

Tin Foil. 35c. per lb.; \$1.50 per 5 lbs.

Toothpicks. Plain, box, 7c.; 35c. for 6.

Toothpicks. Wired, 45c. 1,000; 10,000, \$3.50.

Toothpicks. 6-inch, wired, green; per 375, 30c.; \$2.00 per 3,000.

Tree Paint (Target Brand). Qt., 60c.; \$1.50 per gal.; 5 gals., \$6.25.

Violet and Green Foil. 60c. lb.

Weed Killer. Michell's. Qt., 55c.; 90c. per 1/2 gal.; gal., \$1.75; \$6.75 per 5 gals.; 30 gals., \$33.00; \$50.00 for 50 gals. Herbicide. 60c. qt.; gal., \$1.75; \$7.00 per 5 gals.; 10 gals., \$12.50; 25 gals., \$27.50; \$47.50 for 50 gals.

Climax. \$1.50 per tin, makes 28 gals. liquid.

Zementine. For whitewashing and shading. 2 lbs., 25c.; 10 lbs., \$1.00.

148 MICHELL'S PLANT STAKES, WIRE, ETC.

GALVANIZED WIRE STAKES

No. 10 WIRE LIGHT

	P. P. Wt.	Doz.	100	1000
2 feet.....	1½ lbs.	\$0.25	\$1.25	\$10.00
2½ feet.....	1½ lbs.	.30	1.40	11.00
3 feet.....	2 lbs.	.35	1.60	14.00
3½ feet.....	2½ lbs.	.40	1.75	16.00
4 feet.....	2½ lbs.	.45	2.00	18.00
4½ feet.....	3 lbs.	.50	2.25	20.00
5 feet.....	.60	2.50	22.50	
6 feet.....	.75	2.75	25.00	

No. 8 WIRE HEAVY

	P. P. Wt.	Doz.	100	1000
2 feet.....	2 lbs.	\$0.30	\$1.75	\$13.00
2½ feet.....	2½ lbs.	.35	2.00	16.00
3 feet.....	2½ lbs.	.40	2.25	18.00
3½ feet.....	3 lbs.	.45	2.50	20.00
4 feet.....	3½ lbs.	.60	3.00	24.00
4½ feet.....	4 lbs.	.70	3.25	27.50
5 feet.....	.75	3.50	30.00	
6 feet.....	.85	4.25	37.50	



Everlasting Stake Fastener



Blake Lock Clip

STAKE FASTENERS

These take the place of string entirely, lasting several seasons, used for fastening cross wires to galvanized stakes.

	P. P. Wt.	500	1000
Everlasting	per 100 ½ lb.	\$2.25	\$3.75
Eureka	¼ lb.	1.25	2.25



WIRE

Allow for postage if wanted by mail.

	Lb.	12-lb. Stone
No. 16. Galvanized	\$0.20	\$2.20
No. 18. Galvanized .....	.25	2.25
No. 19. Galvanized .....	.28	2.50
No. 20. Galvanized .....	.30	2.75
No. 22. Galvanized .....	.32	3.00
No. 16. Annealed .....	.20	1.30
No. 18. Annealed .....	.22	1.40
No. 20. Annealed .....	.25	1.50
No. 22. Annealed .....	.30	1.60
No. 24. Annealed .....	.35	1.75

TINNED WIRE

Used for bunching celery, etc.
No. 19, in 10-lb. boxes, cut 8½ inches, 25c. per lb.; per box, \$2.50.

CUT BOUQUET WIRE

For Stemming Flowers

Cut 9, 12 or 18 inches in length.

No. 20, 25c. per lb.; per box, 12 lbs., \$2.50
No. 22, 26c. per lb.; per box, 12 lbs., 2.75
No. 24, 30c. per lb.; per box, 12 lbs., 3.00



RAFFIA

For tying, basket making and fancy work, very long and fibrous.

Natural Color.

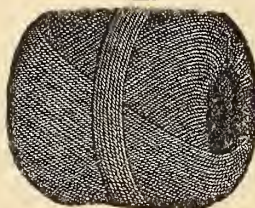
Colored. In all shades. Send for samples of color.

On account of the uncertainty of the supply at present, prices on raffia will be quoted on request.

RAFFIATAPE

This article is made of a composition of paper and linen and is tremendously strong; it is about ¼ inch wide and is put up in 250 yard bolts or hanks. This is very desirable for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green. Parcel Post Weight, per bolt, ½ lb.

Per bolt of 250 yards, 85c.; 6 bolts, \$4.80.



TWINES, ETC.

	Ball	Lb.
No. 12, Light Italian	\$0.35	\$0.60
No. 18, Medium Italian .....	.30	.55
No. 24, Heavy Italian .....	.30	.55
No. 36, Heavy Italian .....	.30	.55
Jute, 2-ply, 3-ply and 5-ply...	.25	.45
Linen Bouquet .....	.20	1.50
Boston Linen, 2- and 3-ply...	.40	.75
Green Sea Island .....	.20	1.25
Special Thin White Cotton..	.20	1.10
Tarred, for Mat Making.....	.30	...
Tarred Sisal for Fodder.....	...	.35
Binder (5-lb. ball)	1.75	...
Express, very heavy.....	.35	...
Green Silkaline. For stringing Smilax and Asparagus, etc. F, fine; FF, medium; FFF, coarse.	...	...

Price, per spool, 30c.
Price, per lb. (8 spools).....\$2.25
Green Linen (substitute for Silkaline), very similar to the above, fast color.
Price, 40c. per spool; \$1.50 per lb.

BAMBOO POLES

16 ft., very strong; used extensively for brushing worm casts off Putting Greens, also for staking young trees.
Each, 35c.; doz., \$3.75; \$27.50 per 100.

GREEN TAPERING STAKES

Painted Green

	Weight per Doz.	Each	Doz.	100
1½ feet.....	½ lb.	\$0.02	\$0.20	\$1.20
2 feet.....	½ lb.	.04	.35	2.10
2½ feet.....	1 lb.	.05	.45	3.00
3 feet.....	1¼ lbs.	.06	.65	4.00
3½ feet.....	1½ lbs.	.07	.75	5.00
4 feet.....	2 lbs.	.09	.90	6.00
5 feet.....	...	.10	1.00	7.00

ROSE OR DAHLIA STAKES

Round tapering style; painted green.

	Weight per Doz.	Each	Doz.	100
3 feet.....	2½ lbs.	\$0.09	\$0.85	\$6.00
3½ feet.....	4 lbs.	.10	1.00	7.00
4 feet.....	5 lbs.	.11	1.15	8.00
5 feet.....	...	.15	1.50	10.00
6 feet.....	...	.17	1.75	12.00

SQUARE PLANT STAKES

These are painted green and nicely tapered and finished.

	Weight per Doz.	Each	Doz.	100
1½ feet.....	½ lb.	\$0.03	\$0.25	\$1.50
2 feet.....	½ lb.	.04	.30	2.25
2½ feet.....	1 lb.	.05	.50	3.50
3 feet.....	2 lbs.	.08	.85	6.00
3½ feet.....	2½ lbs.	.09	.95	7.00
4 feet.....	4 lbs.	.11	1.15	8.50
5 feet.....	...	.15	1.65	12.00
6 feet.....	...	.18	2.00	14.00

WOOD DOWEL STAKES

Length	Diam.	W't per Doz.	Doz.	100	1000
24 in....	⅜ in...	1 lb.	\$0.15	\$0.85	\$7.50
36 in....	¼ in... ¾ lb.	.20	1.00	8.50	
36 in....	⅝ in... ¾ lb.	.20	1.00	8.50	
36 in....	⅝ in... 1 lb.	.20	1.00	8.50	
36 in....	¾ in... 1¼ lbs.	.20	1.00	8.50	
36 in....	¾ in... 3 lbs.	.25	1.50	12.50	
42 in....	¾ in... ½ lb.	.25	1.10	9.00	
42 in....	¾ in... 1 lb.	.25	1.10	9.00	
42 in....	¾ in... 1½ lbs.	.25	1.10	9.00	
42 in....	¾ in... 1½ lbs.	.25	1.10	9.00	
42 in....	¾ in... 4 lbs.	.30	1.75	15.00	

The above are plain stakes, if wanted dyed green add 5c. per doz.; 25c. per 100; per 1,000, \$2.00 to the above prices.

CANE STAKES (Natural)

	Doz.	100	250	100
Southern, 8 to 9 ft..	\$0.35	\$1.75	\$3.75	\$12.50
Japanese, 5 to 6 ft..	.35	2.00	3.75	14.00

JAPANESE GREEN CANE STAKES

These are very attractive for all purposes of plant staking, thin and very strong.

	Doz.	100	500	1000
1½ feet.....	\$0.15	\$1.00	\$4.50	\$8.50
2 feet.....	.20	1.25	5.25	10.00
2½ feet.....	.25	1.40	6.50	12.00
3 feet.....	.30	1.50	7.00	13.00
4 feet.....	.35	2.00	9.00	17.50
5 feet.....	.50	2.50	11.50	20.00

HYACINTH STAKES

Used for staking hyacinths, tulips and slender plants; dyed green.

	P. P. Wt. per 100	Doz.	100	1000
5 inch.....	1½ lbs.	\$0.05	\$0.15	\$0.75
12 inch.....	2 lbs.	.05	.25	1.50
18 inch.....	2 lbs.	.08	.40	2.00

Michell's Spraying and Insecticide Apparatus, Etc.

149

PARIS GREEN SHAKERS

Tin. For dusting vegetables, potatoes, small fruits and shrubbery, 60c. each. P. P. weight, 2 lbs.

Farmers' Favorite. (See cut.) Large double-action affair, \$2.25 each. P. P. weight, 4 lbs.

"Acre an Hour" Sifter, 85c. P. P. weight, 2 lbs.



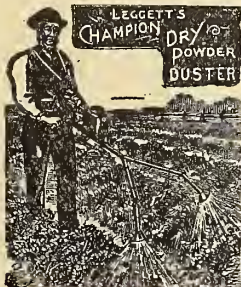
DICKEY DUSTER

Excellent for distributing Bug Death, Slug Shot, etc. Price, 50c. P. P. weight, 1 lb.

CHAMPION GUN

This machine will distribute dry insecticides, covering one or two rows at one time. Will save its price in material used in one season.

Price, \$12.00. P. P. Wt., 8 lbs.



WOODASON HAND BELLOWS

P. P. Wt.

Large double cone, each	.....5 lbs.	\$6.00
Large single cone, each	.....3 lbs.	3.75
Small single cone, each	.....2 lbs.	2.50
Liquid spraying, small	.....3 lbs.	3.00
Liquid spraying, large	.....4 lbs.	3.75
Sulphur Bellows, each	.....	3.00

WHIRLWIND POWDER GUNS



Very useful for distributing dry powder. Price, 30c.

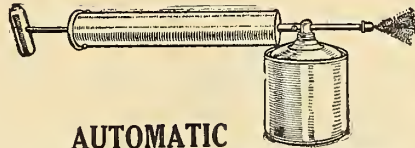
P. P. Weight, 8 ozs.



CYCLONE HAND SPRAYERS

Similar to the above except they do not have the automatic air reservoir attachment. P. P. weight, 1½ lbs.

No. 112, Tin, large, 60c.; Midget Tin, small, 35c. No. 114. Brass, \$1.25.

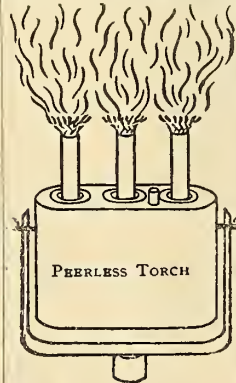


AUTOMATIC COMPRESSED AIR SPRAYER

Parcel Post Weight, 2 lbs.

This is the grandest hand sprayer ever offered, very easily operated, especially desirable for ladies' use.

Tin.....each, \$1.25 | Brass....each, \$2.25



PEERLESS TORCH



Asbestos Torch

OIL TORCHES

For burning out worms, caterpillars and pests that infest trees.

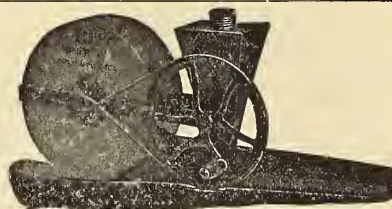
	P. P. Wt.	Each
Reservoir. ½ lh.....		\$0.50
Asbestos. 1 lh.....		.65
Peerless. 1 lh.....		.75

Reservoir Torch

POLES FOR TORCHES, Etc.

Hard wood, 12 feet, \$1.25; 14 feet, heavy, \$1.50; 16 feet, \$1.75. Poles are not mailable.

Bamboo Poles. 16 ft., very strong, used extensively for brushing worm casts off putting greens, etc. Each, 35c.; doz., \$3.75; 100, \$27.50.



SULPHUR BLOWER

For distributing sulphur and insecticides of various kinds. Price, \$6.00.

FUMIGATORS

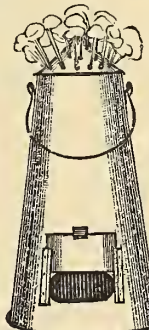
Perfection Make

Fitted with a water tank to prevent burning out.

No.	
1 for house 12x 40 ft.	\$5.00
2 for house 15x100 ft.	5.75
3 for house 20x100 ft.	7.00
5 for house 20x150 ft.	8.00

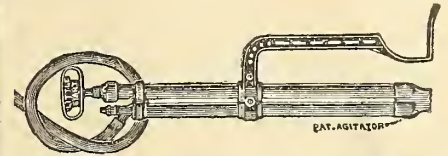
Eureka Make

No.	
1 for house 10x 20 ft.	\$2.75
2 for house 12x 40 ft.	3.25
3 for house 15x100 ft.	4.00
4 for house 20x100 ft.	5.00



VAPORIZING LAMP

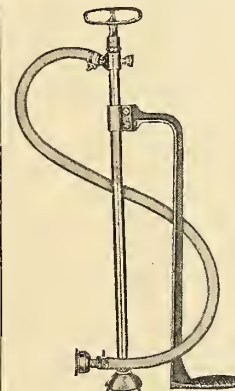
Practical and indestructible, all metal, burns kerosene, used for dispensing fumes of Nicotinic, Tohakin and other preparations of this sort. 80c. each. P. P. Weight, ¾ lb.



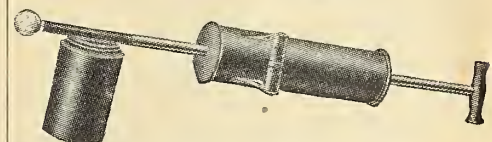
No. 327½ MYERS' BUCKET PUMP

This is a double brass chamber arrangement, and fills the want of those desiring a medium priced sprayer. Price, \$5.00. P. P. weight, 9 lbs.

AUTO-SPRAY PUMP, No. 6



To meet the demands for a high-class article at a moderate price, has resulted in the above make of sprayer. The chamber and pump rod are brass, it is double acting, equipped with 3 ft. spray hose, one solid stream and one spray nozzle. Price, complete, \$5.00.



THE FEENY DUST GUN

The distribution of powdered insecticides seems to have outgrown the possibility of an ordinary bellows. It distributes Powdered Arsenate of Lead, Sulphur, Tobacco Dust, Lime, etc., in an even manner in cloud form. For use in the orchard, vegetable, fruit and flower garden, it will be numbered among the indispensable garden apparatus. Price, \$3.00 each.

PARCEL POST SHIPMENTS

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.

All Prices subject to change without notice

(hb)

MICHELL'S SPRAYING APPARATUS

GOULD'S FRUITALL BARREL PUMP

No. 1188

A high-grade pump at an attractive price, within the reach of every one who has need for such a pump. 2 in. diameter cylinder. Bronze wearing parts. Plain pump, no hose, nozzle or barrel, \$12.00.

Outfit C—With agitator, one 15 ft. lead of $\frac{1}{2}$ in. spray hose and one Mistry Jr. nozzle (no barrel), \$16.00.

Outfit D—With agitator, two 15 ft. leads of $\frac{1}{2}$ in. spray hose and two Mistry Jr. nozzles (no barrel), \$20.00.

Barrels for holding spray solution, 50 gal. capacity, \$6.50 each.

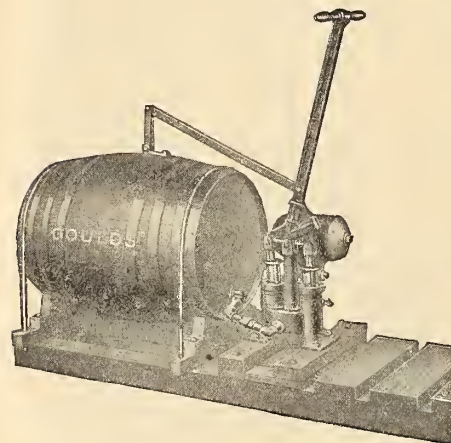
Gould's Standard Barrel Pump, No. 905 $\frac{1}{2}$

Equipped with a brass-lined cylinder and a liberal-sized air chamber, suitable for operating one or two lines of hose. Plain, no barrel, hose or nozzle, \$11.00.

Outfit C—Equipped with one lead 15 ft. $\frac{1}{2}$ in. spray hose and one Mistry Jr. nozzle (no barrel), \$15.00.

Outfit D—Equipped with two 25 ft. leads of $\frac{1}{2}$ in. spray hose, two Mistry Jr. nozzles (no barrel), \$19.00.

Barrels for holding spray solution, 50 gal. capacity, \$6.50 each.

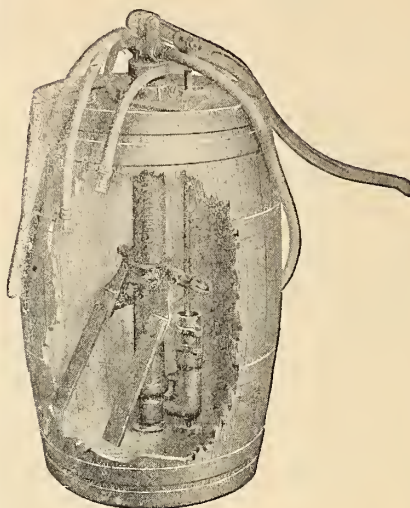


GOULD'S MONARCH, Fig. 1506

This equipment is designed to be mounted on a platform for stationary use or for transporting on a wagon, sled or by other means; it is the best pump in its class and will last a lifetime with reasonable care. Plain style, No. 0, \$35.00.

Outfit C—Equipped with 5 ft. of suction hose and strainer, with one 15 ft. lead of $\frac{1}{2}$ in. special spray hose and one Mistry Jr. nozzle, \$42.50.

Outfit D—Same as Outfit C, except the equipment is two leads of hose and two nozzles, \$50.00.



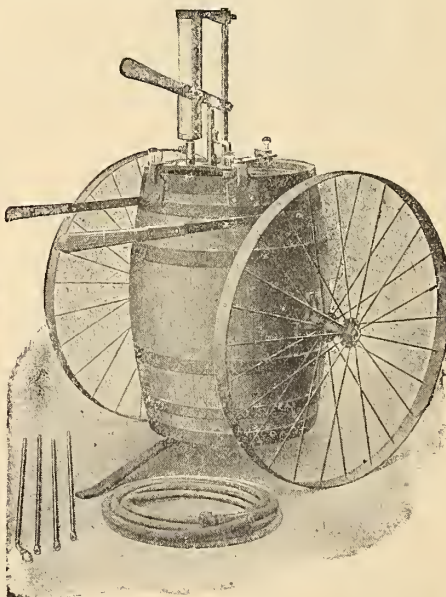
GOULD'S POMONA BARREL SPRAY PUMP, Fig. 1100

Can be used for feeding one or two leads of hose; all working parts are bronze, with lasting qualities. Plain pump, 2 $\frac{1}{2}$ in. diam. cylinder, only \$22.00.

Outfit C—With one 15 ft. section $\frac{1}{2}$ in. spray hose and one Mistry Jr. nozzle (no barrel), \$26.00.

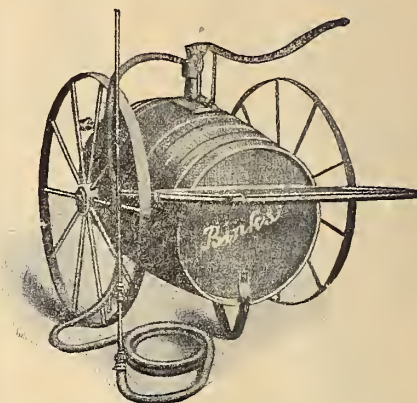
Outfit D—With two 15 ft. sections $\frac{1}{2}$ in. spray hose and two Mistry Jr. nozzles, \$30.00.

Barrels for holding spray solution, 50 gal. capacity, \$6.50 each.



No. 4 PARAGON SPRAYER

Designed for spraying whitewash and water paints in poultry houses and buildings, also for spraying trees and shrubbery. Equipped with 10 feet of extension pipe, 20 feet 6-ply hose and 2 spraying nozzles. Price, complete as in cut, \$29.50.



BINKS SPRAYER No. 15

Wherever it is impossible to get about with a team and wagon the above outfit is recommended very highly. The large wheels render it very portable and easily moved over rough and soft ground. Outfit consists of a 30-gallon barrel with 32-in. wheels. The pump is securely attached to barrel by a clamping device.

Complete, as illustrated, with 10 feet $\frac{1}{2}$ -in. hose; $\frac{1}{2}$ -in. cock spray pipe and spray nozzle. Price, \$30.00.

SPRAY NOZZLES ($\frac{3}{8}$ in. thread)

Bordeaux and Vermorel, 8 ozs.....	\$0.85
Mistry Jr., 5 ozs.....	.90
Winkle Mist, 4 ozs.....	.85
Paragon style, 4 ozs.....	.40
Duplex Vermorel (2 nozzles), 14 ozs...	1.75
Triple Vermorel (3 nozzles), 16 ozs....	2.50
Quadruple Vermorel (4 nozzles), 2 lbs..	3.00
Duplex Mistry (2 nozzles), 2 lbs.....	3.00

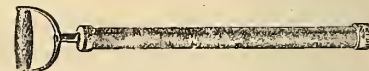
For $\frac{3}{4}$ -in. connections add 35c. to the above nozzle prices.

EXTENSION PIPES, Etc.

For reaching into trees, $\frac{3}{8}$ -inch threads.

Bamboo, with brass tube, 8 ft.....	\$3.25
Bamboo, with brass tube, 10 ft.....	4.00
Galv. Iron, 2 ft., P. P. weight, 6 ozs...	.40
Brass, 2 ft., P. P. weight, 8 ozs.....	.60
Pet Cock, for extension pipes.....	.75
Bamboo Extension Rods. Fig. 1437—	
With steel pipe lining 12 feet long, \$4.50.	
Bamboo Extension Rods. Fig. 1437—	
With aluminum pipe lining 10 feet long, \$5.00.	

Paragon Extensions, 2 $\frac{1}{2}$ ft., 50c. each. Parcel post weight, 12 ozs.



LEWIS' SHEET BRASS SYRINGE

Capacity about 1 quart, \$2.50.

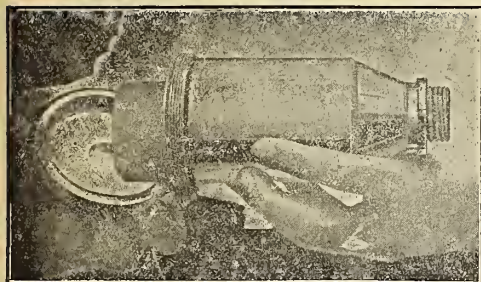
Parcel post weight, 2 $\frac{1}{2}$ lbs.

HEAVY BRASS SYRINGES

No.	Diam.	Length	Parcel Post Wt.	Price
99	—1 $\frac{1}{2}$ in.	18 in.	1 spray..1 $\frac{3}{4}$ lbs.	\$3.50
101	—1 $\frac{1}{4}$ "	14 "	2 sprays..2 "	5.00
101A	—1 $\frac{1}{2}$ "	16 "	2 " .2 $\frac{1}{4}$ "	4.50
104	—1 $\frac{3}{4}$ "	18 "	2 " .4 $\frac{1}{2}$ "	6.50
107	—1 $\frac{3}{4}$ "	20 " (Adjustable)	5 "	7.00

All Prices subject to change without notice

(hb)



THE KIRKE FEEDER

Made to accommodate cartridges of various kinds, containing fertilizer and insecticide ingredients, each separate as below.

	Each	Doz.
Nickel Cartridge Holder....	\$3.00	
Salt Cartridges .....	.15	\$1.50
Arsenate of Lead Cartridges...	.55	5.80
Tobacco Cartridges .....	.40	4.00
Fertilizer Cartridges .....	.35	3.60
Bordeaux Cartridges .....	.35	3.60
Sulphur Compound Cartridges..	.35	3.60

No. 22 BINKS COMPRESSED AIR SPRAYER

Galvanized steel tank, 5 gals. capacity. Brass pump with a patent clamping device, equipped with 3 feet of hose, spray nozzle, shut-off cock and shoulder strap.

P. P. Wt., 15 lbs.
Price, \$8.00.



Bink's No. 22
Sprayer

BINKS No. 15 SPRAYER

Mounted on a two-wheel truck equipped with a 30-gal. barrel and 10 ft. 1/2 in. spray hose, nozzle, etc. Complete, price, \$30.00.

BUCKET SPRAY PUMPS

These are made entirely of brass except the foot rest and hand grip. The prices below do not include bucket, but include nozzle and 3 1/2 feet of 3/8 in. hose and nozzle.

No. 256. Success (without bucket fastener), \$7.00. P. P. Weight, 7 lbs.

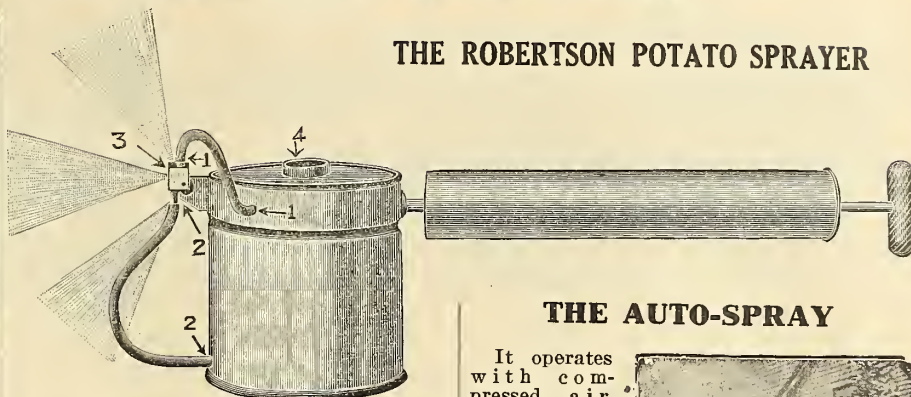
No. 689. Perfect Success (with bucket fastener), \$8.00. P. P. weight, 9 lbs.



Success Pump
\$8.00. P. P. weight, 9 lbs.

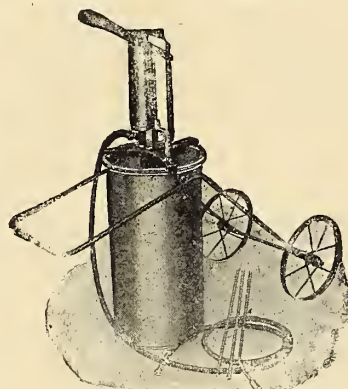
DEMING KNAPSACK SPRAYERS

These are elegant for carrying around the garden, among shrubbery and tree work, etc. Fig. 675. Copper tank, holding about 5 gals., complete, with pump, nozzle and hose\$25.00
Fig. 564. Galvanized tank, holding about 5 gals., complete, with pump, nozzle and hose..... 18.50
Deming Knapsack Sprayers are not mailable.



THE ROBERTSON POTATO SPRAYER

This is probably the first successful hand sprayer that distributes in a systematic fashion a spray solution on the top and underneath the foliage of potato vines and other plants. It is made of galvanized iron, in a substantial manner and the reservoir is of liberal size, it may be used for general spraying in the vegetable and flower garden as well as elsewhere. Price, \$1.50.



No. 3 Paragon Sprayer

THE PARAGON SPRAYER

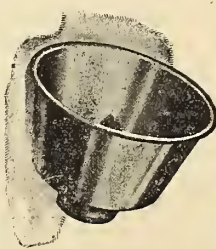
Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir, although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or paint.

No. 1. With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes, \$15.75.

No. 3. Equipped with a 12-gal. tank mounted on a truck, three 2 1/2-ft. extension pipes, 2 nozzles and 10 ft. of hose, \$22.00.

No. 4. Mounted on a two-wheel truck; equipped with 10 ft. of extension pipe, 20 ft. of hose and 2 nozzles. 25-gal. barrel, complete, \$29.50.

Bucket Washers for Paragon Sprayers, 45c. each.



COPPER STRAINER

For straining whitewash, spraying material, etc. The neck is of the correct size to fit into the reservoir of an auto-spray, which allows both hands to be free when using it. \$1.40 each.

P. P. weight, 3/4 lb.

THE AUTO-SPRAY

It operates with compressed air. Safe and efficient. Liquid capacity, 4 gallons; pressure capacity, 40 lbs. The Brown Auto-Spray is probably the first real successful compressed air sprayer ever put on the market. Previous to its introduction there were other makes, some of them still being offered for sale. We have had a wide and varied experience with the different ones, and after personal tests and noting the experiences of our customers, finally adopted as our standard compressed air sprayer this make. No sprayer is sold under broader guarantee for efficiency and durability. The Auto-Spray must please and will accomplish all that any first-class sprayer will, or the purchase price will be refunded. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best, as corrosive solutions can be used in it without injuring the same. Auto-Sprayers are not mailable.



Auto-Spray in Operation

No. 1-A. Brass. Equipped with hose and regular nozzle, \$10.00.

No. 1-B. Brass. Equipped with hose and Auto-Pop Attachment, \$10.50.

No. 1-C. Galvanized Iron. Equipped with hose and regular nozzle, \$7.00.

No. 1-D. Galvanized Iron. Equipped with hose and Auto-Pop, \$7.50.

Auto-Pop Nozzle Attachment controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately, \$1.75 each. P. P. weight, 1 lb.

Orchid Pan Earthen Fern Pan Fern Dish Liner Seed Pan Wood Fibre Flower Vase



Cedar Tub Keystone Tub Earthen Flower Pot Azalea Pot Earthen Bulb Pan Earthenware Saucer Wood Fibre Saucer Rolling Stand

CEDAR TUBS

Equipped with Strong Iron Handles
These are made by hand, of the very best white cedar painted green, bound with black iron hoops.

No.	Outside Diam.	Length of stave outside	Each
No. 0.....	27 in.	24 in.	\$11.50
No. 1.....	25 "	22 "	10.25
No. 2.....	23 "	20 "	9.25
No. 3.....	21 "	18 "	8.00
No. 4.....	18½ "	16 "	6.25
No. 5.....	18 "	16 "	5.50
No. 6.....	16½ "	13 "	5.00
No. 7.....	15 "	12 "	4.25
No. 8.....	12 "	10 "	3.50

MICHELL'S KEYSTONE PLANT TUBS

Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 15c. per pair. Not attached to tub.

No.	Inside Diam.	Depth	Each
No. 1.....	6 in.	6 in.	\$0.80
No. 2.....	7 "	7 "	.85
No. 3.....	8 "	8 "	.95
No. 4.....	9 "	9 "	1.00
No. 5.....	10 "	9 "	1.15
No. 6.....	11 "	10 "	1.40
No. 7.....	12 "	11 "	1.75
No. 8.....	13 "	12 "	2.15
No. 9.....	14 "	13 "	2.50
No. 10.....	15 "	14 "	2.75
No. 11.....	16 "	15 "	3.00
No. 12.....	17 "	16 "	3.65
No. 13.....	18 "	17 "	4.40
No. 14.....	19 "	18 "	5.25

ROLLING STANDS For tuhs, pots, etc.

In.	Weight	Will fit	Tub	Each
12 in.....	2 lbs.	10 in.	No. 8	\$1.25
14 ".....	2½ lbs.	12 "	" 8	1.58
16 ".....	3 lbs.	14 "	" 8	2.10
18 ".....	3½ lbs.	16 "	" 7-6	2.52
20 ".....	"	"	" 5	3.15
22 ".....	"	"	" 4	3.78

PAPER FLOWER POTS

Ins.	Parcel Post Weight	per doz.	per 100	1000
2¼.....	3 ozs. 2 lbs.	\$0.12	\$0.60	\$4.50
2½.....	3 " 2 "	.15	.70	4.75
3.....	5 " 2 "	.18	.85	7.00
3½.....	7 " 3 "	.20	1.15	9.00
4.....	8 " 4 "	.25	1.30	10.50
5.....	15 " 7 "	.40	2.00	17.50
6.....	2 lbs. 11 "	.50	2.75	25.00

AZALEA POTS

Diam.	Deep	Each	Doz.	100
5 in.	4½ in.	\$0.06	\$0.56	\$4.32
6 "	5 "	.09	.84	6.48
7 "	6 "	.14	1.40	10.80
8 "	7 "	.20	2.02	15.60
9 "	7½ "	.30	3.12	24.00
10 "	8 "	.42	4.21	32.40

FERN DISH LINERS

These cannot be sent by Parcel Post.
Very shallow, for inside of fancy silver or porcelain ferneries.

Width	Depth	Each	Doz.	100
7 in.	1½ in.	\$0.14	\$1.40	\$10.80

SEED PANS (Earthenware)

6 inches square.....	Each	Doz.
8 " " " " " " " " " " " "	\$0.75	\$7.80
10 " " " " " " " " " " " "	1.00	10.45
12 " " " " " " " " " " " "	1.26	13.10
	1.50	15.60

EARTHEN BULB PANS

6 inches diam.....	Each	Doz.	100
7 " " " " " " " " " " " "	\$0.09	\$0.84	\$6.48
8 " " " " " " " " " " " "	.14	1.40	10.80
9 " " " " " " " " " " " "	.20	2.02	15.60
10 " " " " " " " " " " " "	.30	3.12	24.00
12 " " " " " " " " " " " "	.42	4.21	32.40
14 " " " " " " " " " " " "	.83	8.58	66.00
	1.35	14.04	108.00

WOOD FIBRE FLOWER VASES

No.	Diam.	Depth	Weight	Each
0	8 in.	13 in.	4 lbs.	\$1.66
1	5½ "	10 "	2½ "	1.32
2	4½ "	9 "	1½ "	1.16
3	4 "	6 "	1½ "	.96
4	3 "	4½ "	¾ lb.	.76
00	9 "	21 "	6 lbs.	5.80
11	5 "	18 "	4 "	1.80
22	4½ "	15 "	2 "	1.38
33	4 "	12 "	2 "	1.16
44	3 "	9 "	1 lb.	.96

VASES—Ideal Cut Flower

No.	1.....	2.....	3.....	4.....	5.....	6.....	7.....	8.....	9.....
1.....	6 in.	8 "	9 "	12 "	9 "	22 "	13¾ "	19 "	
2.....	6½ in.	8½ "	9½ "	12½ "	10½ "	24 "	14½ "	20 "	
3.....	7 in.	9 "	10 "	13 "	11 "	26 "	15½ "	22 "	
4.....	7½ in.	10 "	11 "	14 "	12 "	28 "	16½ "	24 "	
5.....	8 in.	11 "	12 "	15 "	13 "	30 "	17½ "	26 "	
6.....	8½ in.	12 "	13 "	16 "	14 "	32 "	18½ "	28 "	
7.....	9 in.	13 "	14 "	17 "	15 "	34 "	19½ "	30 "	
8.....	9½ in.	14 "	15 "	18 "	16 "	36 "	20½ "	32 "	
9.....	10 in.	15 "	16 "	19 "	17 "	38 "	21½ "	34 "	

EARTHEN FLOWER POTS

Height and Width inside	Each	Doz.	100	1000
1 inch.....	\$0.02	\$0.14	\$1.08	\$9.90
2 " " " " " " " " " " " "	.02	.12	.90	8.25
2¼ " " " " " " " " " " " "	.02	.14	1.02	9.35
2½ " " " " " " " " " " " "	.02	.16	1.20	11.00
3 " " " " " " " " " " " "	.02	.21	1.56	14.30
3½ " " " " " " " " " " " "	.03	.25	1.92	17.60
4 " " " " " " " " " " " "	.05	.31	2.40	22.00
4½ " " " " " " " " " " " "	.05	.42	3.24	29.70
5 " " " " " " " " " " " "	.06	.56	4.32	39.60
5½ " " " " " " " " " " " "	.07	.70	5.40	49.50
6 " " " " " " " " " " " "	.09	.84	6.48	59.40
6½ " " " " " " " " " " " "	.11	1.12	8.64	79.20
7 " " " " " " " " " " " "	.14	1.40	10.80	99.00
8 " " " " " " " " " " " "	.20	2.02	15.60	144.00
9 " " " " " " " " " " " "	.30	3.12	24.00	216.00
10 " " " " " " " " " " " "	.42	4.21	32.40	288.00
11 " " " " " " " " " " " "	.60	6.25	48.00	432.00
12 " " " " " " " " " " " "	.83	8.58	66.00	594.00
14 " " " " " " " " " " " "	1.35	14.04	108.00	972.00

EUREKA POT HANGERS

10c. each; doz., \$1.00; \$6.00 per 100.

KRICK POT HANGERS

No.	1.....	Each	Doz.
No. 1.....	\$0.04	\$0.40	\$4.00
No. 2.....	.05	.50	5.00
No. 3.....	.06	.60	6.00

WOODEN ORCHID BASKETS

4 inch.....	Each	Doz.
6 " " " " " " " " " " " "	\$0.40	\$4.50
8 " " " " " " " " " " " "	.50	5.50
10 " " " " " " " " " " " "	.60	6.50
12 " " " " " " " " " " " "	.70	7.00
	.80	9.00

ORCHID PANS (Round) (Earthen)

4 inches diam.....	Each	Doz.
5 " " " " " " " " " " " "	\$0.15	\$1.50
6 " " " " " " " " " " " "	.25	2.50
8 " " " " " " " " " " " "	.30	3.00
6 " " " " " " " " " " " "	.40	4.00
10 " " " " " " " " " " " "	.55	5.50
12 " " " " " " " " " " " "	.85	8.50

Orchid pans not available.

EARTHEN FERN PANS

These cannot be sent by Parcel Post.

Width	Height	Each	Doz.	100
4 in.	1½ in.	\$0.05	\$0.47	\$3.60
4¾ "	2½ "	.06	.62	4.80
5½ "	2½ "	.08	.78	6.00
6½ "	2½ "	.09	.94	7.20
7 " "	2½ "	.11	1.09	8.40
8 " "	3½ "	.15	1.56	12.00
9 " "	3½ "	.18	1.87	14.40

EARTHENWARE SAUCERS

These cannot be sent by Parcel Post.

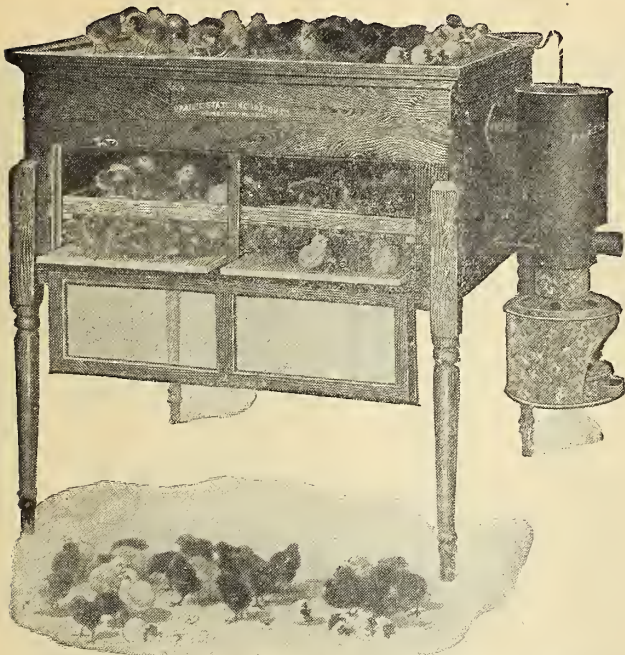
4 inches.....	Each	Doz.	100
5 " " " " " " " " " " " "	\$0.02	\$0.23	\$1.80
6 " " " " " " " " " " " "	.03	.31	2.40
7 " " " " " " " " " " " "	.05	.47	3.60
8 " " " " " " " " " " " "	.06	.62	4.80
9 " " " " " " " " " " " "	.08	.86	6.60
10 " " " " " " " " " " " "	.11	1.17	9.90
11 " " " " " " " " " " " "	.14	1.40	10.80
12 " " " " " " " " " " " "	.17	1.72	13.20
14 " " " " " " " " " " " "	.20	2.11	16.20
	.34	3.51	27.00

WOOD FIBRE SAUCERS

Extremely desirable on account of being absolutely waterproof.

Parcel Post Weight	Each	Doz.	100
5 inches.....	\$0.31	\$3.31	\$26.22
6 " " " " " " " " " " " "	.32	3.43	27.17
7 " " " " " " " " " " " "	.34	3.67	29.07
8 " " " " " " " " " " " "	.35	3.89	30.78
9 " " " " " " " " " " " "	.40	4.32	34.20
10 " " " " " " " " " " " "	.42	4.61	36.48
12 " " " " " " " " " " " "	.51	5.52	43.70
14 " " " " " " " " " " " "	.64	6.96	55.10
16 " " " " " " " " " " " "	1.15	12.60	.....
18 " " " " " " " " " " " "	1.35	14.76	.....

Larger sizes can be furnished as complete rolling stands only.



PRAIRIE STATE INCUBATORS

In the building, design and construction of the Prairie State Incubator every known factor to the present time has been taken into consideration. All Prairie State Incubators, except the Keystone styles, are equipped with nurseries.

In shipping, the heaters are crated separately, as their design and size make it more practical; also it does away with the possibility of the heater becoming injured in transit.

There are also many other improvements in the Prairie State Incubator that a study of the Prairie State Catalog and a close inspection of the machine itself, if possible, will best reveal.

Prairie State Heaters, built in four sizes, are of absolutely new design and all comply with the most rigid requirements of the National Board of Fire Underwriters.

Every heater is inspected by the regular authorized Underwriters' inspector, under the direction of the Fire Underwriters' Laboratories, and bears the inspection mark together with the Underwriters' Label, which facts, in combination with the construction of the incubator, make the entire machine insurable in any location without any extra insurance rate.

The Prairie State has the diffusive air circulation system and sand tray moisture feature and is as faultless as it is possible to make incubators.

	Oil consumption per 24 hrs.	Hen Egg Capacity	Duck Egg Capacity	Price
No. 0. Diffusive style	.... 3/4 pt.	100	75	\$31.00
No. 1. Diffusive style	.... 1 pt.	150	115	39.00
No. 2. Diffusive style	.... 1 1/2 pts.	240	200	55.00
No. 3. Diffusive style	.... 1 3/4 pts.	390	300	70.00
No. 0. Keystone style	.... 1/2 pt.	60	40	17.50
No. 1. Keystone style	.... 3/4 pt.	100	75	21.00

Complete Catalog on Prairie State Incubators and Brooders free on request.

THE QUEEN INCUBATOR (Hot Water)

The "Queen Line" is made in a sufficient number of sizes to meet the demands of any one who has use for an incubator.

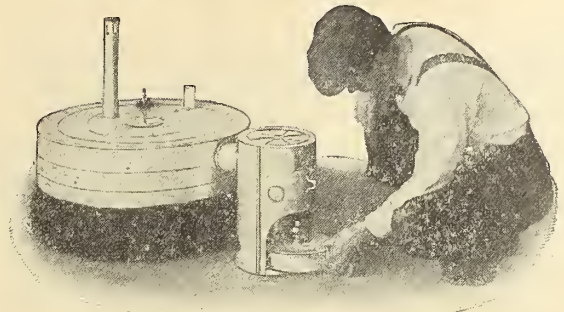
	Egg Capacity	Wt.	Price
No. 1. Baby Queen	85	72	\$17.50
No. 0. Lincoln Queen	60	48	10.50
No. 2. Queen	135	95	24.50
No. 3. Queen	180	105	29.50
No. 4. Queen	275	138	39.50
No. 5. Queen	400	171	47.00

GEM HOT WATER INCUBATOR

This is especially designed for the amateur or beginner. It is a wonderful value for the price charged. Very carefully made. Equipped with galvanized water heater and a sensitive thermostat. We can supply this in one size only, 50-Egg Capacity, \$8.00.

PRAIRIE STATE JUNIOR STOVE BROODER

Junior—The construction of this is similar to the Senior Prairie State Coal Stove Brooder, except that there is no thermometer and the stove itself is not quite so large, but it will brood the same number of chicks. Junior—Price, \$25.00. No. 0, Junior, \$18.00.



PRAIRIE STATE PORTABLE HOVER

It is impossible for chicks to crowd in a Prairie State Portable Hover. It is provided with an accurate and sensitive regulator, which automatically controls the temperature day in and day out as closely as an incubator. It requires no watching and newly hatched chicks can be entrusted to its care without the slightest thought for safety. This hover can be successfully used inside of a poultry house or attached to a Colony Brooder. It is made entirely of iron and metal, except the hover cloth. There is not a particle of wood on it, hence no danger from fire.

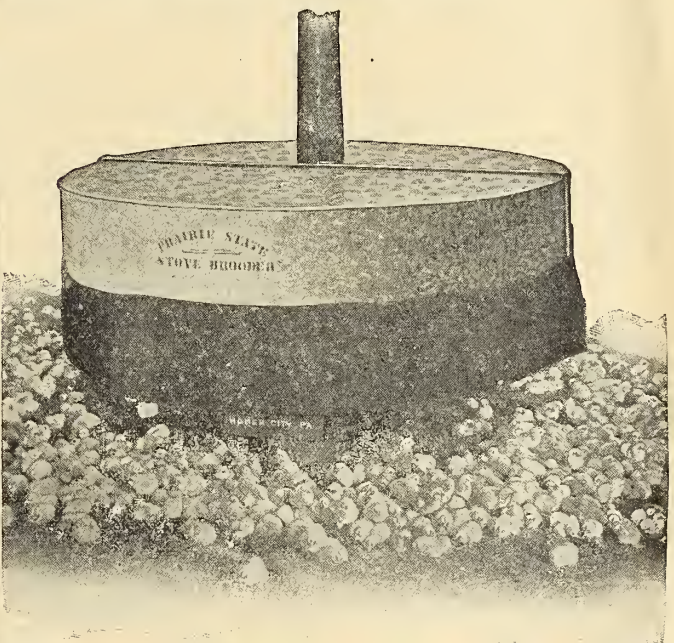
The lamp holds 3 pints of oil and in actual test has run 72 hours on this quantity.

The No. 1 hover is 25 inches in diameter, has an effective brooder space of 491 square inches and comfortably accommodates from 65 to 100 chicks. Weight, net, 30 lbs.; crated, 50 lbs. Price, \$18.00. Junior Portable Hover, \$11.00.

*Prairie State Lamp Box Hover, for outdoor use, \$9.00.

*Prairie State Indoor Hover, \$8.00.

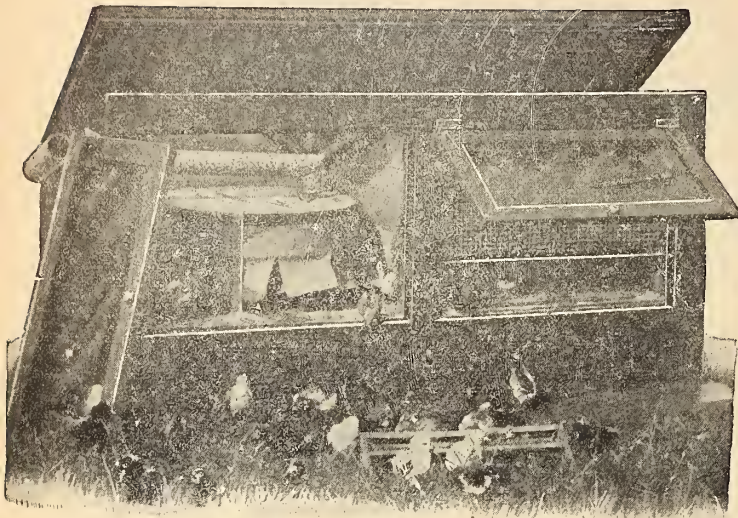
Regulators for those marked (*), \$1.25 each if bought separately, or \$1.00 additional if bought with hover.



PRAIRIE STATE SENIOR STOVE BROODER

This has been developed to meet a growing demand for a brooding device readily adaptable to production on a mammoth scale. It is durable, substantial and low in cost of operation. The stove is solid cast iron, resting directly on its base without legs, there being no hot place under the stove possible for the chicks to reach. Designed for hard coal, but will burn soft coal also. The canopy is flat, with downward projection to which is fastened adjustable hover curtain. Is of galvanized sheet steel, binged in centre, giving ready access to stove when coaling. Regulator is powerful, sensitive, triple control, of wafer type, regulating temperature to a fraction of a degree, with all working parts under canopy and so protected. Senior. This size handles flocks of 250 to 1000 or more safely and is adaptable to permanent or portable brood houses. Price, complete with equipment (weight, crated, 245 lbs.), \$40.00.

Michell's Poultry Supplies, Etc.



PRAIRIE STATE COLONY HOUSES

The Colony Brooder, with its dry, roomy quarters, level floors, overhead heat, graduated temperature, thorough ventilation and sun parlor for exercise, offers a happy solution to chick rearing.

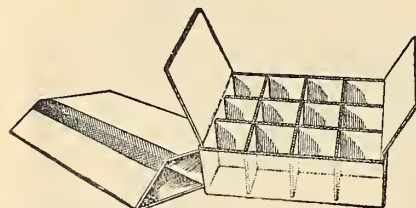
When the soil becomes worn out or if the location has become infected with disease or vermin, the removal of a portable colony brooder is an easy matter, and the birds can be given new quarters on fresh soil and amid new surroundings.

To transform the Combination Brooder into a Colony House in the No. 1 and No. 2 style, slip out the middle partition, remove the hover and lamp, and you have one of the neatest colony houses that could be built.

The No. 3 Colony House has but one compartment.

No. 1—3 feet wide, 6 feet long, 3 feet high in front, 2 feet high in back (without heat regulator).....\$30.00
 No. 2—2½ feet wide, 5 feet long, 2½ feet high in front, 20 inches high in back (without heat regulator)..... 27.50
 No. 3—27 inches wide, 4 feet long, 28 inches high in front, 19 inches high in back (without heat regulator)..... 22.00
REGULATORS FOR THE ABOVE, \$1.25 each when purchased separately, or \$1.00 each when purchased with a Colony House Brooder.

MICHELL'S PARCEL POST EGG BOXES



This shipping package is so constructed that each egg is separated by a thickness of corrugated board, and the entire contents are surrounded by a double wall of air-cushioned board. Absolute protection is therefore assured, as the box possesses sufficient strength and durability to stand the

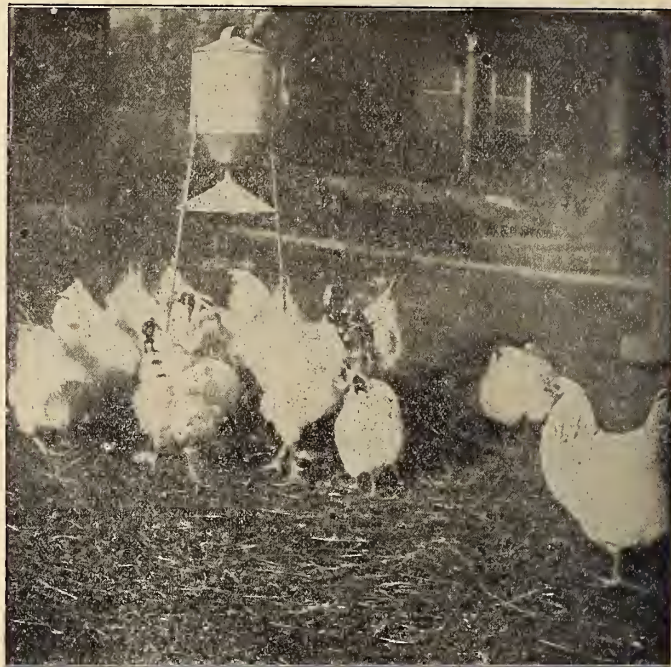
usual rough handling in transit. Their extreme light weight, when compared with other packages, will, in many cases, save the postage on an extra pound.

	Each	Doz.	100
1-dozen capacity	\$0.18	\$1.50	\$12.00
2-dozen capacity .....	.20	2.25	18.00
3-dozen capacity .....	.25	2.75	22.00
4-dozen capacity .....	.35	3.50	27.00
5-dozen capacity .....	.40	4.00	32.50

SALT BRICKS

For dairy cows, horses and other animals. This is an essential to general good health in stables among horses and cattle; fastened on the wall it is accessible at all times and remains clean. Per brick, 30c.; \$3.00 per dozen. P. P. Weight, each, 5 lbs.

Salt Brick Holders, 35c. each; \$3.50 doz. P. P. Weight, 3 lbs.



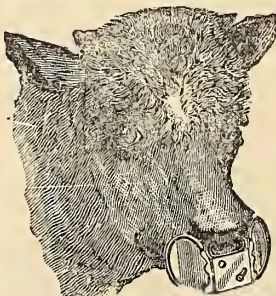
It is a happy Flock and a happy Poultryman where the Norwich Feeder is used.

NORWICH AUTOMATIC POULTRY FEEDER

In operating the Norwich Automatic Exerciser and Feeder, it is but necessary to fill the hopper with such grain as may be desired, straight or mixed, filling the feed bar with either cracked corn or wheat, and adjust the valve at the bottom of the hopper to feed in such quantities as desired. Set the machine anywhere in the yard, pen or house, give the feed bar a turn or two and, surprising as it may seem, in ten to fifteen minutes every hen in the flock will take in the situation and work it.

Another valuable feature is the fact that the hopper, being rainproof, the feed is always dry and fresh. The hopper is also dustproof, so that if stood in the house not a particle of dust can get on the feed.

No. 1—8-quart hopper.....Weight, 15 lbs. \$3.00
 No. 2—14-quart hopper.....Weight, 18 lbs. 3.90
 No. 3—20-quart hopper.....Weight, 22 lbs. 4.90
 No. 4—32-quart hopper.....Weight, 25 lbs. 6.00



CALF WEANERS

Easily attached, cannot harm either the calf or the cow.

No. 1—For calf under 1 year, 60c. P. P. Weight, 4 ozs.

No. 2—For calf over 1 year, 85c. P. P. Weight, 6 ozs.

No. 3—For cows, \$1.00. P. P. Weight, 10 ozs.

WATER PAILS

Heavy Galvanized Iron, 12-qt., 75c.

J. I. C. Extra heavy; white cedar, 16 qts., \$1.50.



PERFECT MILKING PAIL

A stool and bucket combined, made of heavy tinned ware with a removable cover and strainer, the latter preventing anything from getting into the milk. Price, \$4.50.

RICHMOND BUTTER CHURNS

First quality white cedar, carefully finished, easily cleaned.

No. 1. 3 gals.....\$3.25
 No. 2. 4 gals..... 3.75
 No. 3. 7 gals..... 4.25

Poultry and Animal Foods and Tonics

155

ALL PRICES SUBJECT TO MARKET CHANGES

Alfalfa Meal. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.25. (Price for larger quantity on application.)

Animal Regulator (Pratt's). 25c. and 50c. pkg.; 12 lbs., \$1.75

Barley. Price, 5 lbs., 30c.; 10 lbs., 50c. (Larger quantity, price on application.)

Bone (Coarse Ground). For feeding grown fowls. 5 lbs., 40c.; 65c. for 10 lbs.; 25 lbs., \$1.50. (Price for larger quantity on application.)

Bone (Meal and Fine Grade). For feeding chicks and pullets and using in the mash. 5 lbs., 40c.; 65c. per 10 lbs.; 25 lbs., \$1.50. (Price for larger quantity on application.)

Bran (Wheat). For mash, etc. 5 lbs., 35c.; 10 lbs. for 60c.; \$1.00 per 25 lbs.; 50 lbs., \$2.00; \$3.50 per 100 lbs.

Broken Rice. 50c. for 5 lbs.; 10 lbs., 90c.; \$2.00 for 25 lbs. (Price in large quantities on application.)

Buckwheat. Price, 5 lbs., 30c.; 50c. per 10 lbs. (Larger quantity, price on application.)

Cake Meal. Price upon application.

Calf Meal (Blatchford's). \$3.50 per 50 lbs.; 100 lbs., \$6.50.

Canada Peas. Price, 5 lbs., 55c. (Prices on large quantities on application.)

Cat Food (Spratt's). Per carton, 35c.

Charcoal. Two grades, **fine** and **coarse**; state which you wish when ordering. Price, 1 lb., 10c.; 40c. for 5 lbs.; 10 lbs., 70c.; \$1.50 for 25 lbs.; per 100 lbs., \$5.00.

Chicgrain (Spratt's). Per carton, 45c.; 80c. per 10 lbs.; 25 lbs., \$1.85; 50 lbs., \$3.50; 100 lbs., \$6.75.

Chick Food (Cornless). 5 lbs., 45c.; 75c. for 10 lbs.; 25 lbs., \$1.50; \$5.75 per 100 lbs.

Chick Food (Michell's). 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.50; \$5.00 per 100 lbs.

Chick Food (Park and Pollard). 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.50; 100 lbs., \$5.50.

Chick Food (Pratt's). For newly hatched chicks. 2½ lbs., 35c.; 65c. for 5¼ lbs.; 14 lbs., \$2.00; \$3.00 for 28 lbs.

Chick Manna. Price, 1 lb., 20c.; 50c. for 3 lbs.; 5 lbs., 75c.; 15 lbs., \$2.00; 60-lb. case, in bulk, \$6.25.

Chick Meal (Spratt's No. 5). 65c. per 5 lbs.; 10 lbs., \$1.10; \$2.50 per 25 lbs.; 50 lbs., \$4.90; \$9.50 per 100 lbs.

Climax Condition Powder (Rust's). Price, 25c., 50c., \$1.00 and \$1.50 per package.

Condition Powder (Sheridan's). A natural stimulant and persuader for the hen. 15c. package; 2¼-lb. can, 75c.

Condition Tablets (Pratt's). 30c. and 60c. per box.

Conkey's Laying Tonic. 30c. package.

Conkey's Starting Food for Baby Chicks. 1 lb., 15c.; 3 lbs., 35c.; 60c. for 6¼ lbs.; 10 lbs., \$1.00; 100 lbs., \$7.75.

Corn Meal (Special Process). 5 lbs., 40c.; 75c. for 10 lbs.; \$1.35 for 25 lbs.; 50 lbs., \$2.60; 100 lbs., \$5.00.

Cow Kure. A tonic for cows and heifers. 50c. per can.

Cracked Corn. 5 lbs., 35c.; 65c. for 10 lbs.; 25 lbs., \$1.25; 50 lbs., \$2.50; \$4.50 per 100 lbs.

Crissell (Spratt's). 5 lbs., 40c.; 75c. per 10 lbs.; 25 lbs., \$1.75; \$6.00 per 100 lbs.

Cut Clover Hay. 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; \$1.50 for 50 lbs.; 100 lbs., \$3.00.

Developing Food (Michell's). 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$5.00.

Dog Cakes (Spratt's). Small pkg., 50c.; large pkg., 85c.; 25-lb. box, \$3.25; 50-lb. box, \$6.00; 100-lb. box, \$11.25.

Dog Cakes (Maltoid Milkbone). 15c. and 35c. per carton; 10 lbs., \$1.65; \$4.00 for 25 lbs.; 50 lbs., \$6.50.

Fish, Dried Ground. 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.75; \$3.00 for 50 lbs.; 100 lbs., \$5.50.

Egg Producer (Rust's). 1 lb., 25c.; 50c. for 2½ lbs.; 6 lbs., \$1.00.

Gluten Meal. 5 lbs., 30c.; 55c. for 10 lbs.; \$1.25 for 25 lbs.; 50 lbs., \$2.25; 100 lbs., \$4.25.

Grit (Mica Crystal). Fine, medium and coarse. 5 lbs., 15c.; 50c. for 25 lbs.; 50 lbs., 85c.; 100 lbs., \$1.50; \$6.00 per 500 lbs.; ½ ton, \$11.00; \$20.00 per ton.

Grit (Red Cross Health). For pigeons, 5 lbs., 20c.; 35c. for 10 lbs.; 25 lbs., 65c.; \$1.25 for 50 lbs.; 100 lbs., \$2.00.

Ground Oats. 5 lbs., 30c.; 55c. for 10 lbs.; \$1.10 for 25 lbs.; 50 lbs., \$2.00; 100 lbs., \$3.75.

Growing Food (Park and Pollard). 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.40; 100 lbs., \$5.00.

Hemp Seed. 15c. lb.; 5 lbs., 70c.; \$1.25 for 10 lbs.

Hulled Oats. 55c. per 5 lbs. (Prices on larger lots on application.)

Kaffir Corn. 5 lbs., 50c. (Price on larger quantities on application.)

Linseed Meal. 22c. per lb.; \$1.00 per 5 lbs.; 10 lbs., \$1.75; \$4.25 for 25 lbs. (Price for larger quantity on application.)

Mash Food (Michell's Meat). 5 lbs., 35c.; 10 lbs., 60c.; 25 lbs., \$1.35; 100 lbs., \$4.50.

Mash Food (Park and Pollard). 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.40; 100 lbs., \$5.00.

Meat (Prepared). Price, 5 lbs., 40c.; 10 lbs., 75c.; 25 lbs., \$1.75; 50 lbs., \$3.25; 100 lbs., \$6.00.

Middlings. 5 lbs., 30c.; 10 lbs., 55c.; 25 lbs., \$1.10; 100 lbs., \$4.00.

Millet (For Feeding). 5 lbs., 55c.; \$1.00 for 10 lbs.

Mustard (Poultry). 1½ lbs., 60c.; \$1.10 for 3 lbs.; 5 lbs., \$1.50; \$3.00 for 10 lbs.

Oat Meal (Pin Head). 5 lbs., 60c.; \$1.10 for 10 lbs.; 25 lbs., \$2.25; \$7.50 per 100 lbs.

Oyster Shells. 5 lbs., 15c.; 50c. for 25 lbs.; 50 lbs., 75c.; \$1.25 per 100 lbs.; 500 lbs., \$5.50; \$18.50 per ton.

Pheasant Meal (Spratt's). No. 12 Fine; No. 5 Coarse. State which is wanted when ordering. 5 lbs., 65c.; \$1.10 per 10 lbs.; 25 lbs., \$2.50; 50 lbs., \$4.90; 100 lbs., \$9.50.

Poultry Food (Spratt's No. 3). 5 lbs., 65c.; \$1.10 for 10 lbs.; 25 lbs., \$2.50; \$4.90 per 50 lbs.; \$9.50 per 100 lbs.

Poultry or Scratch Food (Michell's). 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.25; \$2.25 per 50 lbs.; 100 lbs., \$4.25.

Poultry or Scratch Food (Park and Pollard). 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.40; 100 lbs., \$5.00.

Pratt's Poultry Regulator. Price, 10-oz. package, 12c.; 26-oz. packages, 30c.; 60c. per 4-lb. package; 12 lbs., \$1.20; \$3.00 for 25 lbs.; 50 lbs., \$5.25; \$10.00 per 100 lbs.

Prepared Pigeon Food. 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.60; 100 lbs., \$5.50.

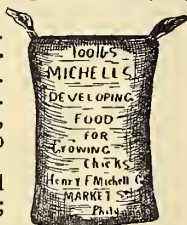
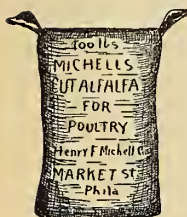
Puppy Cakes (Spratt's). Small pkg., 50c.; large pkg., 85c.; 25-lb. box, \$3.50; 50-lb. box, \$6.50; 100-lb. box, \$12.50.

Puppy Cakes (Maltoid Milkbone). 15c. and 35c. per carton; 10 lbs., \$1.65; \$4.00 per 25 lbs.; 50 lbs., \$6.50.

Salt Cat. A tonic for pigeons. Price, 10c. per brick; 60c. for 6; \$1.10 per doz.

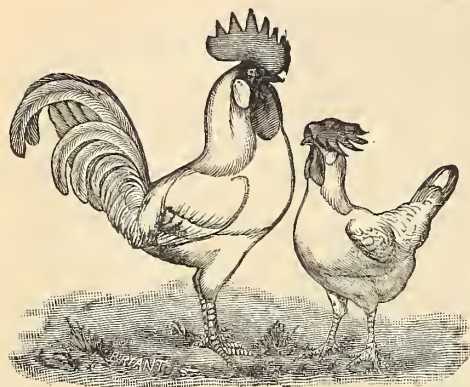
Sunflower Seed. 15c. qt.; 4 qts., 55c.; \$1.00 peck; bushel (25 lbs.), \$3.90.

Vetches or Tares. For pigeon feeding. Ask for quotations. Prices vary.



156 MICHELL'S HIGH GRADE POULTRY SUPPLIES, Etc.

LICE DESTROYERS, DISINFECTANTS, Etc.



A complete description of the following goods will be found in our Poultry Supplies Catalog—Mailed free.

Carboletta. A carbolic solution for painting roosts, spraying, etc. 40c. qt.; ½ gal., 65c.; \$1.00 per gal.

Carbolineum (Protexal). A poultry house disinfectant, louse and mite destroyer, excellent wood preservative; in gal. cans only. \$1.50 per gal.; 5 gals., \$7.00.

Condition Tablets (Pratt's). 30c. and 60c. pkg.

Conkey's Canker Special. An effective remedy. 60c.

Conkey's Cholera Cure. 30c. and 60c. pkg.

Conkey's Chicken Pox Remedy. 30c. and 60c. pkg.

Conkey's Gape Cure. For young chicks. 60c. pkg.

Conkey's Lice Fix. For destroying mites, lice, etc. 60c.

Conkey's Lice Killer (Liquid). For painting roosts, poultry houses, etc. Qt., 35c.; 60c. ½ gal.; 1 gal., \$1.00.

Conkey's Lice Powder. A sure destroyer. 15c., 30c., 60c. and \$1.00 pkg.

Conkey's Noxi-cide. A germ destroyer. 40c. pt.; 1 qt., 70c.; \$1.00 for 2 qts.; 1 gal., \$1.75.

Conkey's Roup Cure. The most widely used of the roup remedies; administered in the drinking water. 30c., 60c. and \$1.20 per box.

Conkey's Scaly Leg Remedy. A sure cure. 30c.

Conkey's White Diarrhoea Cure. For little chicks; results always satisfactory. 30c. and 60c. pkg.

Death to Lice (Lambert's). For dusting fowls and nests. 5-oz. size, 10c.; 25c. for 15 ozs.; 48 ozs., 50c.; \$1.00 per 100-oz. pkg.

Death to Lice Ointment. For head lice on small chicks. 10c. and 25c. box.

Gape Worm Extractors. Two styles: Hallowell, 10c. each; \$1.00 per doz. Pilling, 25c. each.

Germathol (Pratt's). A germicide and disinfectant. 30c. and 60c.

Germozone (Lee's). One of the best germicides in existence, can be used on animals as well as poultry in liquid or tablet form. 50c.



LICE-EXPELLING NEST EGGS

(Naphthaline)

These are made of naphthaline, and are an ideal substitute for the natural egg, which they closely resemble. 6c. each; per doz., 65c.; \$4.50 per 100.

Oculum. For cholera, roup and diarrhoea. 50c. and \$1.00 per bottle.

Persian Insect Powder. ¼ lb., 30c.; 55c. ½ lb.; 1 lb., 90c.

Pratt's Disinfectant. For spraying poultry houses, stables, etc. 50c. qt.; ½ gal., 90c.; \$1.50 per gal.

Pratt's Lice Killer (Liquid). For spraying nests, roosts, houses, etc. 50c. qt.; ½ gal., 90c.; \$1.50 gal.

Pratt's Louse Powder. For dusting nests, fowls, chicks, etc. 15c., 30c. and 60c. per box.

Pratt's Roup Remedy (Pills). For roup, canker, etc. 30c., 60c. and \$1.20 per box.

Pratt's Sore Head Remedy. For chicken pox, etc. 30c. and 60c. box.

Pratt's White Diarrhoea Remedy. For baby chicks. 30c. and 60c.

Rat Corn. Kills and mummifies rats and mice. 25c., 50c. and \$1.00 size cans.

Rat Annihilator. For destroying rats and mice. 25c. pkg.

Roup Syringe. For administering liquid roup remedies in the nostrils or throat. Price, 15c. each.

Rust's Havens Climax Powder. For cholera, gapes, etc. 25c., 50c. and \$1.00 per box.

Rust's Roup Cure. Used in the drinking water. 4 ozs., 25c.; 9 ozs., 50c.; 20 ozs., \$1.00.

Spratt's Dog Soap. 25c. per cake, post-paid.

Sulphur Candles. Large size, 25c. each; per doz., \$2.50. Small size, 15c. each; per doz., \$1.50.

Tobacco Dust. For dusting on roosts, nests, etc., to keep away vermin. 10c. per lb.; 5 lbs. for 35c.; \$1.50 for 25 lbs.; 100 lbs., \$5.25.

Tobacco Stems. For making nests, etc. 10c. lb.; 5 lbs., 25c.; 75c. per bu.; per bbl. bag, \$1.50; in large bales of about 250 lbs., at 3c. lb.; per ½ ton, \$17.50, \$34.00 per ton.

Whiting's Roupene. An infallible preventive and sure cure for all cases of Roup, Canker, Diphtheria, Chicken Pox or Sore Head, Gapes, Colds and all diseases of respiratory organs of fowls or pigeons. Will cure dogs of the sniffles. Price, 50c. and \$1.00 per bottle.

Whiting's White Diarrhoea Remedy. 50c. and \$1.00 per bottle.

Zenoleum Lice Powder. For dusting hens and nests; fine for brooding hens. 25c. per 16-oz. pkg.

Zenoleum Liquid. Dilute one part Zenoleum to 100 parts of water. It is non-poisonous and is not irritating or inflammable. Should be used freely around barns and poultry houses. ½ pt., 30c.; 60c. qt.; ½ gal., \$1.00; \$1.75 per gal.; \$7.50 per 5-gal. can.

RECLEANED BIRD SEEDS, Etc.

Prices on Bird Seed are subject to market changes

Ants' Eggs. \$1.25 per ¼ lb.; 1 lb., \$4.00.

	Lb.	5 lb.	10 lb.
Canary. Plain Sicily.....	\$0.30	\$1.45	\$2.80
Canary, Mixed .....	.30	1.45	2.80
Hemp Seed .....	.15	.70	1.25
Millet Seed (Imported).....	.12	.55	1.00
Rape Seed .....	.20	.90	1.60
Unhulled Rice .....	.12	.55	1.00

Parrot Food (Spratt's). 15c. pkg.

Bird Manna. Keeps Canary Birds in prime condition. Pkg. 15c.

Cuttle Fish Bone. 10c. each; ¼ lb., 30c.; \$1.00 per lb.

Lettuce Seed. 5c. per oz.; 10c. per ¼ lb.; 1 lb., 30c.

Maw Seed. ¼ lb., 25c.; 85c. lb.; 5 lbs., \$4.00.

Song Restorer for Canaries, revives the desire to be lively and sing more lustily. Price, 15c. per bottle; per doz., \$1.50.

Sand for Bird Cages. Fine, Red or Silver, 10c. pkg.; doz. pkgs., \$1.00. Silver (coarse) 10c. pkg.; doz. pkgs., \$1.00.

SUNFLOWER SEED

We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article, 15c. per qt.; 4 qts., 55c.; peck, \$1.00; per bushel (25 lbs.), \$3.90.



Prices are subject to market changes

(hb)

MICHELL'S High-Grade FERTILIZERS

All Prices on
Fertilizers Subject to
Market Changes

157

Alphano Inoculant. A soil bacteria to use in connection with growing legumes. Trial size, 25c.; by mail, 35c.; 1-acre size, net wt. 2 lbs., \$1.00; 10-acre size, net wt. 20 lbs., \$8.00.

Ashes (Canadian Hard Wood). Apply 1,000 lbs. per acre. For top dressing lawn and grass fields, in early spring or late fall. 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.25; \$3.75 per 200-lb. barrel; 1,000 lbs., \$16.00; \$30.00 per ton.

Ashes (Domestic Hard Wood). Per 200-lb. barrel, \$3.25; \$15.00 per ½ ton; ton, \$27.50.

Asparagus Fertilizer. A mixture that promotes the root and top growth. Apply 600 lbs. per acre. 200 lbs., \$6.50; \$55.00 per ton.

Blood (Dried). For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 5 lbs., 75c.; \$1.25 per 10 lbs.; 25 lbs., \$2.25; \$4.00 per 50 lbs.; 100 lbs., \$7.50; \$14.00 per 200 lbs.

Bone Flour. Apply 600 lbs. per acre. Very fine, effective almost immediately; can be used for indoor or outdoor purposes. 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$5.00; \$9.50 per 200 lbs.

Bone Meal (Michell's Special Grade). Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts. 3 lbs., 25c.; 35c. for 5 lbs.; 10 lbs., 60c.; \$1.25 for 25 lbs.; 50 lbs., \$2.25; \$4.00 per 100 lbs.; 200 lbs., \$7.50; \$35.00 per ½ ton; ton, \$67.50.

Chrysanthemum Manure (Thomson's Special). Especially recommended and used by the leading private gardeners of England and America. Per 28-lb. sack, \$4.50; \$8.00 per 56-lb. sack.

Clay's Fertilizer. An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. Price on application.

Climax Lawn Sand. An unique combination of carefully dried and finely ground chemicals. Destroys weeds in lawns, 3½-lb. can, 60c.; 7-lb. can, \$1.10; 14-lb. can, \$1.65; 28-lb. pkg., \$3.00; 56-lb. pkg., \$4.75; 112 lbs., \$8.50.

Cotton Seed Meal. Apply 600 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer. Price on application.

Cow or Cattle Manure (Shredded). Convenient to handle, making it possible for everyone to get this usually scarce article at all times. \$3.25 per 100 lbs.; 500 lbs., \$15.00; \$26.00 per 1,000 lbs.; ton, \$50.00.

Horn Shavings. Used principally for mixing in potting; especially valuable in chrysanthemum growing. 5 lbs., 75c.; \$1.20 for 10 lbs.; \$2.25 per 25 lbs.; 50 lbs., \$4.00; \$7.00 per 100 lbs.

Humus (Alphano Prepared). An excellent article to incorporate with poor soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with ½ to 2 inches of Humus and spaded in. Price on application.

Kainit. For top dressing; asparagus beds, etc. Price on application.

Land Plaster. Used for top dressing newly plowed land prior to harrowing; also for sweetening the soil on lawns and fields. Apply 1,000 to 1,500 lbs. per acre. 40c. for 10 lbs.; 25 lbs., 60c.; \$1.00 for 50 lbs.; 100 lbs., \$1.75; \$3.25 for 200 lbs.; ton, \$23.00.

Lime (Hydrated or Powdered). Promotes growth, gives the grass a rich color. Apply one ton per acre on fields or ½ ton on lawns. Per 125-lb. sack, \$2.25; 500 lbs., \$7.00; 1,000 lbs., \$12.50; ton, \$22.50.

Limestone (Pulverized). For applying on sour or wornout soils at the rate of 1 ton per acre. Put up in 100-lb. bags, \$1.50 per bag; 500 lbs., \$6.25; 1,000 lbs., \$11.00; \$20.00 per ton.

Manure (Fresh Horse, Stockyard and Cow). At short notice we can usually supply first-class horse, cow and stockyard manure in carload lots only. Prices on request.

Mapes' Fertilizers. No less than a 200-lb. sack of Mapes' fertilizers is sold. F. o. b. Philadelphia.

	200 lbs.	1000	Ton
Potato Manure	\$9.00	\$42.50	\$75.00
Corn Manure	8.25	36.50	67.50
General Crop (for all crops).....	6.50	31.00	57.00

Mulford's Culture. For inoculating Clovers and other legumes. When ordering, please state for what crop you desire to use it. Trial size for beans and peas, 25c. Garden size (¼ acre), 50c.; 1-acre size, \$1.50; 5-acre size, \$5.00. See page 41.

Muriate of Potash. Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent. actual potash. Price on application.

Nitrate of Soda. Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. 1 lb., 20c.; 75c. per 5 lbs.; 10 lbs., \$1.30; \$2.50 per 25-lb. bag; 50-lb. bag, \$4.25; \$7.50 per 100 lbs.

Phosphate for Corn. Apply 500 to 600 lbs. per acre. This contains the necessary ingredients to produce a bumper crop of corn. Not less than 200 lbs. sold. Per 200 lbs., \$5.50; per ½ ton, \$26.00; \$50.00 per ton.

Phosphate, High-Grade Acid Tennessee or South Carolina Rock. 14 per cent. Apply 1,000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200-lb. sacks only, \$3.75; \$16.50 per ½ ton; \$33.00 per ton.

Phosphate, Michell's High-Grade Ammoniated. For all vegetable crops, grains, grass, etc. Apply 500 to 600 lbs. per acre broadcast. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.85; \$5.50 per 200 lbs.; ton, \$50.00.

Phosphate (Thomas' Basic Slag). Used extensively for top dressing lawn, grass and grain lands; contains the proper elements to produce a rich luxuriant growth; apply 600 to 800 lbs. per acre. In 200-lb. bags only. \$3.25 per bag; 1,000 lbs. for \$15.00; \$27.50 per ton.

Plant Food. A highly concentrated chemical fertilizer for house use. Michell's, 15c. per 6-oz. pkg. Bowker's, 4-oz. pkgs., 20c.; 12-oz. pkgs., 30c. Allow for postage if wanted by mail.

Potato Manure. Apply at the rate of from 400 to 600 lbs. per acre. 25 lbs., \$1.25; \$2.00 per 50 lbs.; per 100 lbs., \$3.25; \$5.75 per 200 lbs.; per ½ ton, \$27.50; per ton, \$55.00.

Poudrette (Native Guano). Apply 1,000 lbs. per acre. Extensively used for garden, lawns, in making compost and in fact wherever a good, quick acting fertilizer is wanted. 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.00 per 200 lbs.; \$17.50 per 1,000 lbs.; per ton, \$32.50.

Salt. For asparagus beds and putting on walks and roads to kill weeds. Apply 600 to 800 lbs. per acre in early spring. \$1.75 per 100 lbs.; 200 lbs., \$3.00; \$25.00 per ton.

Sheep Manure (Wizard Brand). Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use. 2 lbs., 20c.; 35c. per 5 lbs.; 10 lbs., 60c.; \$1.00 per 25 lbs.; 50 lbs., \$1.75; \$3.25 per 100 lbs.; 500 lbs., \$15.00; \$26.00 per 1,000 lbs.; per ton, \$50.00.

Soot (Imported Scotch). This is used principally for bringing a good healthy color into the foliage of chrysanthemum and other greenhouse plants. 10 lbs., \$1.00; \$2.00 per 25 lbs.; 112 lbs., \$6.50.

Sulphate of Ammonia. Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. Price on application.

Sulphate of Potash. Apply 100 to 125 lbs. per acre, usually with other fertilizers. Price on application.

Tankage. For roses, etc., under glass; similar to dried blood. \$1.75 per 50 lbs.; 100 lbs., \$3.25; \$6.25 per 200 lbs.; ton, \$57.50.

Thomson's Special Flower, Vegetable and Vine Manure is extensively used wherever it is desired to force flowers or vegetables. 28 lbs., \$3.50; \$6.50 per 56 lbs.; 112 lbs., \$12.00.

Tobacco Stems. For fumigating, mulching and fertilizing; an excellent top dressing for lawns in winter. 35c. per 5 lbs.; 75c. per bu.; per bbl. sack, \$1.50; in large bales, at 3c. per lb.; \$17.50 per ½ ton; per ton, \$34.00.

Wheat Fertilizer. For grass and grain crops. Apply 500 to 600 lbs. per acre. 200 lbs., \$5.00; ½ ton, \$23.50; \$45.00 per ton.

PLEASE NOTE.—No smaller quantity of a kind of fertilizer than offered can be supplied.

(hb)

HEADQUARTERS FOR INSECT DESTROYERS, Etc.

DIRECTIONS FOR USING ANY OF THE FOLLOWING WILL BE FOUND ON EACH PACKAGE, OR WE SHALL BE PLEASED TO GIVE INFORMATION BY MAIL OR OTHERWISE.

Ant Exterminator (Cliff's Insecticide). For destroying ants on putting greens, lawns, etc. 50c. per qt.; per gal., \$1.75.

Ant Exterminator (Magic). Per ¼ lb., 20c.; per ½ lb., 40c.; per lb., 75c.; per 5 lbs., \$3.00.

Antipest (Carman's). \$1.75 per gal.

Aphine. ¼ pt., 25c.; 40c. per ½ pt.; per pt., 65c.; per qt., \$1.00; \$2.50 per gal.

Aphis Punk. Per pkg., 65c.; 12 pkgs., \$7.00.

Arsenate of Lead (Paste). Per lb., 40c.; 5 lbs., \$1.75; 10 lbs., \$3.50; 25 lbs., \$6.50; 50 lbs., \$12.50; 100 lbs., \$24.00.

Arsenate of Lead (Powdered). 1 lb., 55c.; \$2.65 per 5 lbs.; per 10 lbs., \$5.00; \$11.50 per 25 lbs.; per 50 lbs., \$22.00; per 100 lbs., \$41.00.

Black Leaf 40. Per 1-oz. bottle, 25c.; ½ lb., 75c.; 2 lbs., \$2.50; 10 lbs., \$10.75.

Bordeaux Arsenate. Per lb., 35c.; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$6.00; 50 lbs., \$11.00; \$21.00 for 100 lbs.

Bordeaux Mixture (Dry Form). Per lb., 30c.; 5 lbs., \$1.25; 10 lbs., \$2.00.

Boro Wax. Per qt., 40c.; ½ gal., 75c.; per gal., \$1.25.

Bug Death. Per lb., 20c.; 3 lbs., 50c.; 5 lbs., 75c.; 12½ lbs., \$1.50; 100 lbs., \$8.25.

Carbolineum (Arvenarius). (Now called Protexol.) Per gal., \$1.50; 5 gals. for \$7.00.

Copper Solution. Per qt., \$1.00; per gal., \$2.75.

Cut Worm Destroyer (Reade's). Per lb., 25c.; 5 lbs., 80c.; 10 lbs., \$1.25; 25 lbs., \$2.50; per 100 lbs., \$7.50.

Cyanegg. For making hydrocyanic acid gas. Per lb., 85c.

Dalmatian or Persian Powder. Per ¼ lb., 30c.; ½ lb., 55c.; 1 lb., 90c.; 5 lbs., \$4.00.

Fir Tree Oil Soap. Per ½ lb., 35c.; per 2-lb. can, \$1.00.

Fish Oil Soap (Good's Caustic). Per lb., 30c.; 5 lbs., \$1.25; 25 lbs., \$5.50.

Fish Oil Soap. Per ½ lb., 15c.; per lb., 25c.; 5 lbs., \$1.00; \$1.80 per 10 lbs.; 25 lbs., \$3.75; 100 lbs., \$12.00.

Fungine. Per qt., \$1.00; per gal., \$3.50.

Getz-There Soap. Per 2 lbs., 50c.; 8 lbs., \$1.75; 25 lbs., \$2.75.

Grape Dust. Per 5 lbs., 90c.; 10 lbs., \$1.75.

Hellebore. Per ¼ lb., 30c.; ½ lb., 50c.; 1 lb., 85c.; 5 lbs., \$4.00.

Imp Spray Soap. 50c. per pt.; per qt., 75c.; \$2.25 per gallon; 5 gallons, \$9.50; \$18.00 per 10 gallons.

IXL Compound. Per gal., \$4.00; \$19.00 for 5 gals.

Kerosene Emulsion (Liquid). 70c. per qt.; per gal., \$1.75; \$8.00 for 5 gals.

Lemon Oil Insecticide. Per ½ pt., 30c.; pt., 50c.; qt., 90c.; ½ gal., \$1.50; gal., \$2.50; 5-gal. keg, \$10.50.

Lime Sulphur. Per qt., 60c.; 75c. per ½ gal.; 1 gal., \$1.25; 5 gals., \$4.75; 30-gal. bbls., 40c. gal.; 50-gal. bbls., 30c. gal.

Lime Sulphur (Dry Powder Form). 1 lb., 25c.; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.50; 50 lbs., \$6.00; \$10.00 per 100 lbs.



CARBONDALE HYDROMETERS

These are highly recommended by the Pennsylvania State Department of Agriculture for testing the gravity of Lime Sulphur solution. One should be in the hands of every man who uses this material. Price, \$1.25. (Postpaid, \$1.35.) With directions.

Nico-Fume (Liquid). ¼ lb., 50c.; 1 lb., \$1.50; 4 lbs., \$5.50; 8 lbs., \$10.50.

Nico-Fume Paper. Per box, 24 sheets, 85c.; per 144 sheets, \$4.00; 288 sheets, \$7.50.

Nikoteen. ½ oz., 15c.; 1¾ ozs., 40c.; 8 ozs., \$1.00; pt., \$1.75; per ½ gal. (4 lbs.), \$6.00; per gal. (8 lbs.), \$11.00.

Paris Green. Per ¼ lb., 25c.; ½ lb., 40c.; 1 lb., 70c.; 2 lbs., \$1.35; 14 lbs., \$9.10.

Protexol (See Carbolineum). For preserving wood, etc. \$1.50 per gal.

Pyrox (Bowker's). Per lb., 40c.; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$6.00; 50 lbs., \$10.75; 100 lbs., \$20.00; 300 lbs., \$57.00.

Rat Annihilator. For destroying rats and mice. 25c. per package.

Rat Corn. 25c., 50c. and \$1.00 per box.

Readeana Rose Bug Exterminator. Trial bottle, 30c.; 8 ozs., 50c.; 24 ozs., \$1.00; per gal., \$4.00.

Scalecide. Per qt., 60c.; gal., \$1.50; 5 gals., \$6.50; 10 gals., \$11.00; 30-gal. bbl., \$27.00; 50 gals., \$39.50.

Scale Destroyer (Soluble Oil). Qt., 60c.; ½ gal., 85c.; gal., \$1.50; 5 gals., \$6.25; 30 gals., bbls. at 80c. gal.; 50 gals., bbls. at 75c. gal.

Shoo Fly. Per qt., 45c.; per gal., \$1.25.

Slug Shot. Per canister, 20c.; 5 lbs., 55c.; 10 lbs., \$1.00; 25 lbs., \$2.35; \$8.75 per 100 lbs. Barrel lots in bulk (250 lbs.) 8½c. lb.

Styptic (Thomson's). For grafting, budding, etc. \$1.15 per bottle.

Sulphate of Copper. Per lb., 25c.; per 10 lbs., \$2.00.

Sulphur Candles. Large: 25c. each; per doz., \$2.50. Small: 15c. each; \$1.50 per doz.

Sulphur (Flowers). Per lb., 15c.; 5 lbs., 60c.; \$1.15 per 10 lbs.; 25 lbs., \$2.25; 100 lbs., \$8.00.

Sulpho Tobacco Soap. Per 3-oz. pkg., 15c.; 6-oz. pkg., 25c.

Tobacco Dust (Special Dusting or Fumigating). 15c. lb.; 5 lbs., 35c.; 10 lbs., 65c.; 25 lbs., \$1.50; 50 lbs., \$2.75; 100 lbs., \$5.25.

Tobacco Soap (Sulpho). 3 ozs., 15c.; 6 ozs., 25c.

Tobacco Stems. Per lb., 15c.; 5 lbs., 35c.; bushel, 75c.; barrel sacks, \$1.50; large bales at \$3.00 per 100 lbs.; ½-ton, \$17.50; \$34.00 per ton.

Thrip Juice (Hammond's No. 2). Pt., 85c.; qt., \$1.50; gal., \$4.00.

Tree Tanglefoot. Per lb., 50c.; 3-lb. cans, \$1.45; 10 lbs., \$4.50; 20 lbs., \$8.75; \$10.50 per 25 lbs.

Vapor Cones (Lethorion Nicotine). In 3 sizes: No. 1, 15c. each; doz., \$1.50. No. 2, 25c. each; doz., \$2.50. No. 3, 30c. each; doz., \$3.00.

Vaporite. 1 lb., 15c.; per 5 lbs., 60c.; 10 lbs., \$1.00; 25 lbs., \$2.25; 50 lbs., \$4.25; 100 lbs., \$7.50.

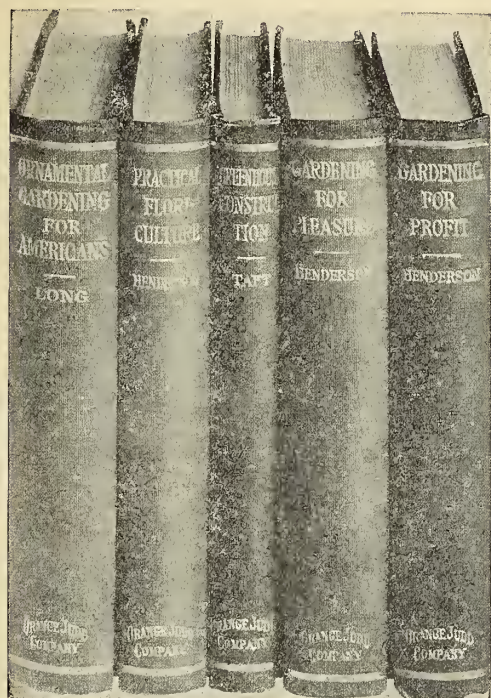
Worm Destroyer (Michell's Brand). For using in gardens, on lawns, etc. (Price on application.)

Worm Destroyer (Carter's Brand). F. o. b. Philadelphia: Per 100 lbs., \$12.00; 1,000 lbs., \$110.00; ton, \$210.00. F. o. b. Boston: Per 100 lbs., \$10.50; ton, \$200.00.

Worm Eradicator (Reade's Electric). Small size, 30c.; 8 ozs., 50c.; 24 ozs., \$1.00; per gal., \$4.00.

Zenoleum. ½ pt., 30c.; qt., 60c.; ½ gal. \$1.00; \$1.75 per gal.; 5-gal. can., \$7.50.

LAMPS for vaporizing nicotine solutions, 80c. each.



A good book, as all know, is a help in doing any kind of work or play. Our selection is up-to-date at all times, and we are, in addition, glad to get books on other subjects not offered here.

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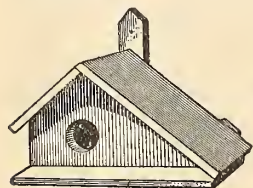
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This pamphlet is sent absolutely free with an order for seeds or plants. HENRY F. MICHELL COMPANY.

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Comparatively few of us recognize the great economic value of birds. Particularly the bluebirds, house wrens and martins are very easily domesticated. Their favorite nesting sites are bird houses made for their use which may be placed about in the garden and farm or in orchards. As rent, these grateful birds pay amply, by destroying millions of insects annually. If you put up your bird houses in the autumn or before the birds arrive in the spring, you may be able to keep the birds with you all winter if you provide them with shelter and food.

ABOUT WRENS. Place Wren Houses near your dwellings; the wren is hardly ever known to nest off in the woods. If not disturbed, they will become very tame. These Wren Houses are made with 1-inch holes so that sparrows cannot disturb the occupants.



Maryland Wren Box
Painted green and red.
35c. each; 3 for \$1.00.
P. P. Wt., 1 lb.



No. 50.
Hanging Wren House
Price, \$1.15
P. P. Wt., 3 lbs.



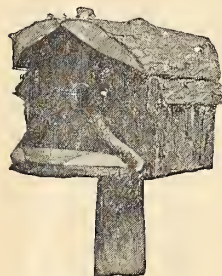
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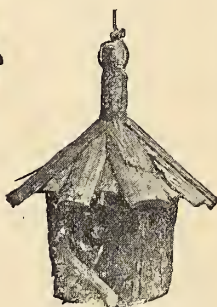
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P. P. Wt., 3 lbs. each



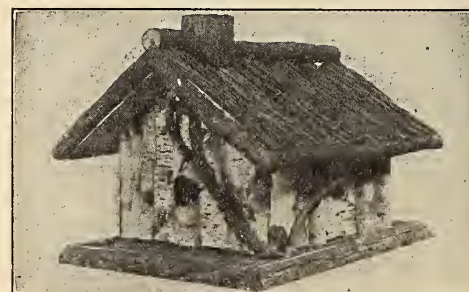
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Weight, 3 lbs.



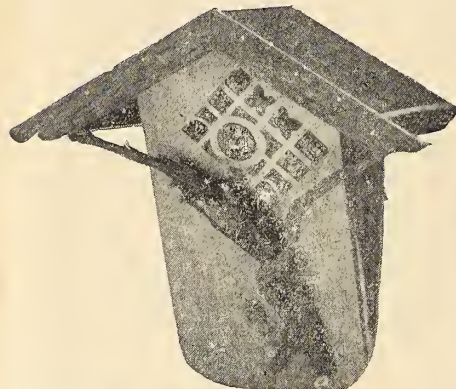
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No. 77—4-room Martin House.
Finished in white birch. Size, 13x7x21 inches.
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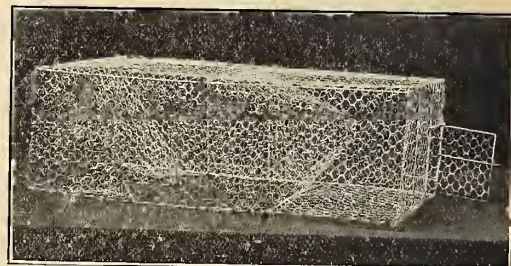
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Robin House.
Price, \$1.35
P. P. Wt., 3 lbs.



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Blue Bird House.
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P. P. Wt., 3 lbs.



THE BEST SPARROW TRAP

We have tried out and found it to be the best trap made. Scatter a little cracked corn and set tray right over it. You'll be surprised at the catch. \$7.00 each.

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Our bird seeds are of the highest quality, fresh and recleaned. Your feathered pets will thrive if you get your supplies in this line from us.



	1/4 lb.	Lb.	5 lb.	10 lb.
Ants' Eggs	\$1.25	\$4.00		
Canary. Plain Sicily.....	.30		\$1.45	\$2.80
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Hemp Seed15		.70	1.25
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Bird Manna. Keeps Canary Birds in prime condition. Pkg., 15c.				
Cuttle Fish Bone. 10c. each; 1/4 lb., 30c.; \$1.00 per lb.				
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Parrot Food (Spratt's). 15c. pkg.; \$1.65 doz.
Sand for Bird Cages. Fine, Red or Silver, 10c. pkg.; doz. pkgs., \$1.00. Silver (coarse), 10c. pkg.; doz. pkgs., \$1.00.
Song Restorer for Canaries, revives the desire to be lively and sing more lustily. Price, 15c. per bottle; per doz., \$1.50.
Prices on Bird Seeds Subject to Market Changes

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We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article. 15c. per qt.; 4 qts., 55c.; \$1.00 per peck; per bushel (25 lbs.), \$3.90.



MICHELL'S GRASS SEEDS

for Every Purpose

Michell's

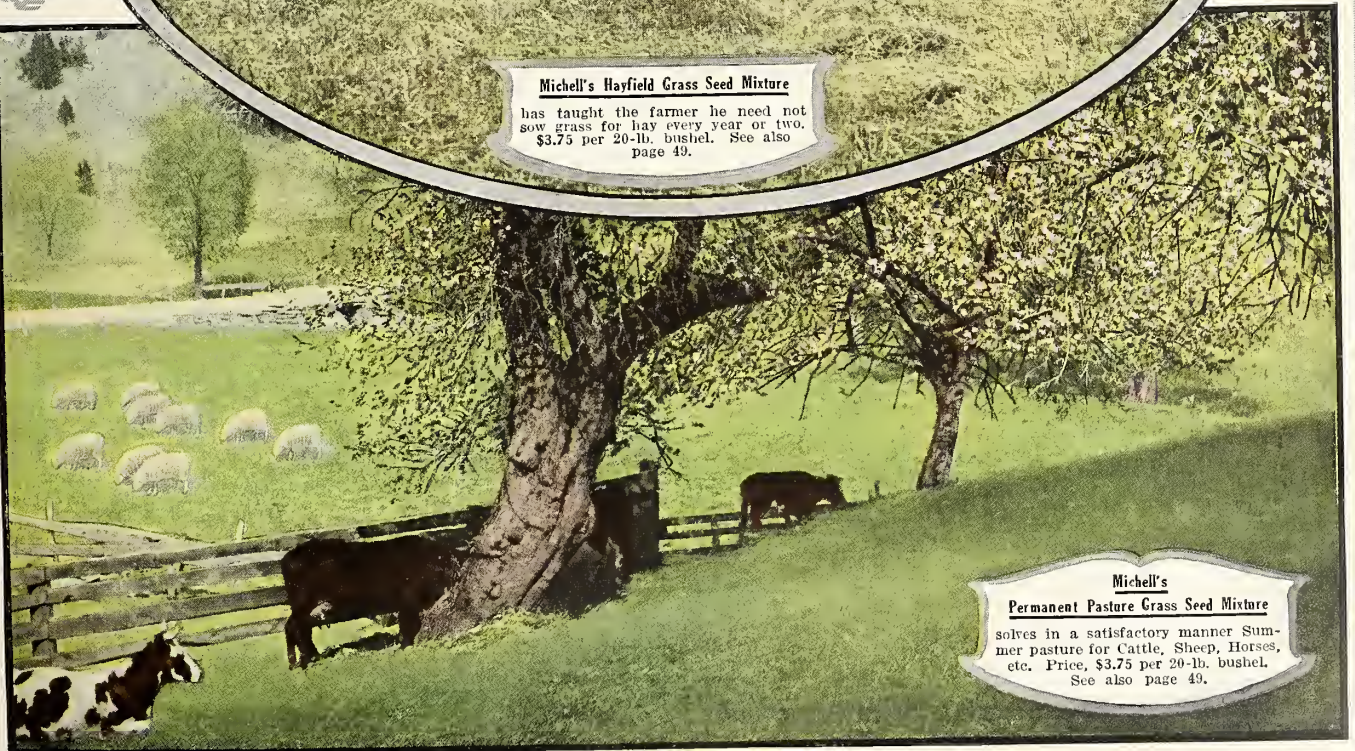
Grass Seeds for Fairways and Putting Greens

are favorably regarded and extensively used by Golf Clubs most everywhere in the United States. For Prices see page 48.



Michell's Hayfield Grass Seed Mixture

has taught the farmer he need not sow grass for hay every year or two. \$3.75 per 20-lb. bushel. See also page 49.



Michell's

Permanent Pasture Grass Seed Mixture

solves in a satisfactory manner Summer pasture for Cattle, Sheep, Horses, etc. Price, \$3.75 per 20-lb. bushel. See also page 49.

MICHELL'S GRASS SEEDS for Every Purpose



Michell's Green Velvet Grass Seed

is undoubtedly the best value at the price to be found anywhere. The formula is based on experience and tests and is being constantly improved where possible.

\$6.00 per 20-lb. bushel. See also page 47.

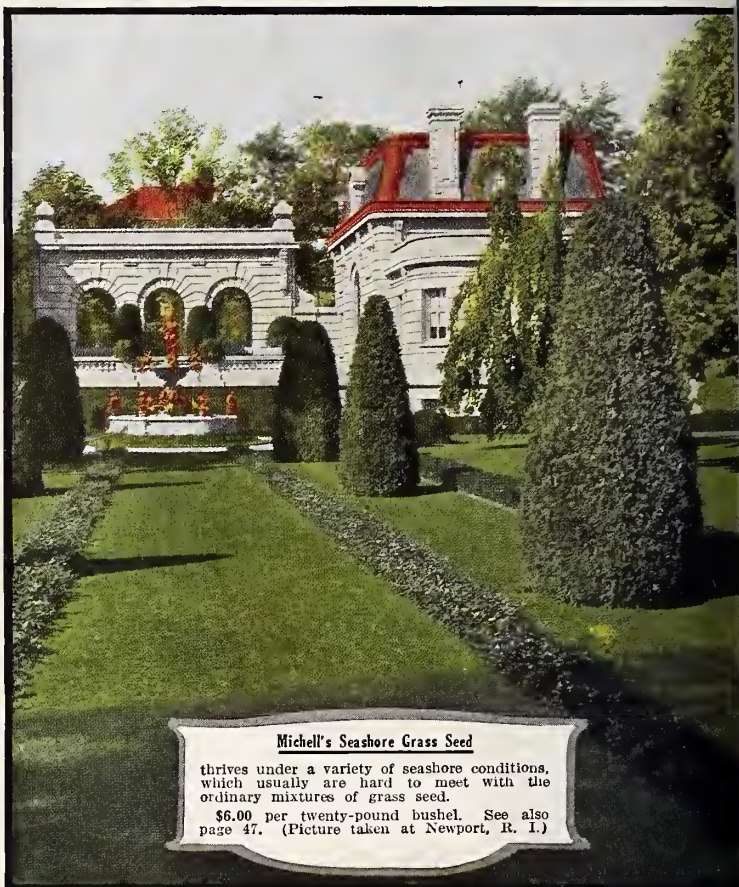
(Picture taken on North Side of Long Island.)



Michell's Shaded Lawn Grass Seed

is known to produce results in places where grass sod seemed impossible.

\$6.00 per twenty-pound bushel. See also page 47.



Michell's Seashore Grass Seed

thrives under a variety of seashore conditions, which usually are hard to meet with the ordinary mixtures of grass seed.

\$6.00 per twenty-pound bushel. See also page 47. (Picture taken at Newport, R. I.)

HENRY F. MICHELL CO. 518 MARKET ST. PHILADELPHIA, PA.